

114

Location HILL AFB, UT. Date 4.14.11Project / Client OU-13 PCB REMEDIATION  
AT TITLE II INSPECTION / AFCEE.

1300 CAPE MOVES EQUIPMENT OVER TO 4114 B CHARLESTON LOOP AND STARTS REMOVING MORE SOIL IN AREA IN WEST 1/2 OF EXCAVATION WHERE SCREENING LEVELS WERE EXCEED IN THE FIRST ROUND OF CONFIRMATION SAMPLES.

1400

1430 MARK AGINSKE AND OSCAR TORRES ON-SITE. MARK IS OFF TOMORROW SO OSCAR IS WILL BE P.O.C. FOR HILL.

1515 GENEVA ROCK BRINGS IN ANOTHER TRUCK LOAD, THEY DELIVERED 145 TONS, 5 TRUCK LOADS TODAY OR ABOUT 100 CY TMSH<sup>4/15/11</sup>

1520 CAPE STARTS BACKFILLING AT 4111 A N. BRIDGE CIRCLE

1600 ~~STOP FOR TODAY~~ M 4.14.11  
STOP WORK FOR TODAY

115

Location HILL AFB, UT Date 4.15.11Project / Client OU-13 PCB REMEDIATION TITLED  
INSPECTION / AFCEE

0700 SITE SAFETY BRIEFING

0705 CAPE IS PREPARING TO LOAD OUT THE SOIL STOCKPILED YESTERDAY (ADDITIONAL SOIL FROM 4114 B CHARLESTON LOOP CARPORT AREA).

REMOVING ENOUGH FENCING TO ALLOW END-DUMPS TO BACK IN TO THE WORK AREA

0720 END-DUMP # 16 ARRIVES AND IS POSITIONED TO LOAD.

0750 TRUCK # 16 IS FULL. POSITION TRUCK # 17 FOR LOADING.

0800 TERRY AND BLAKE DOWNEY WITH MWH ARRIVE - BLAKE IS GOING TO COLLECT THE CONFIRMATION SAMPLES TODAY

0830 ANOTHER LOAD OF FILL ARRIVES.

0855 FINISH LOADING END-DUMP #16

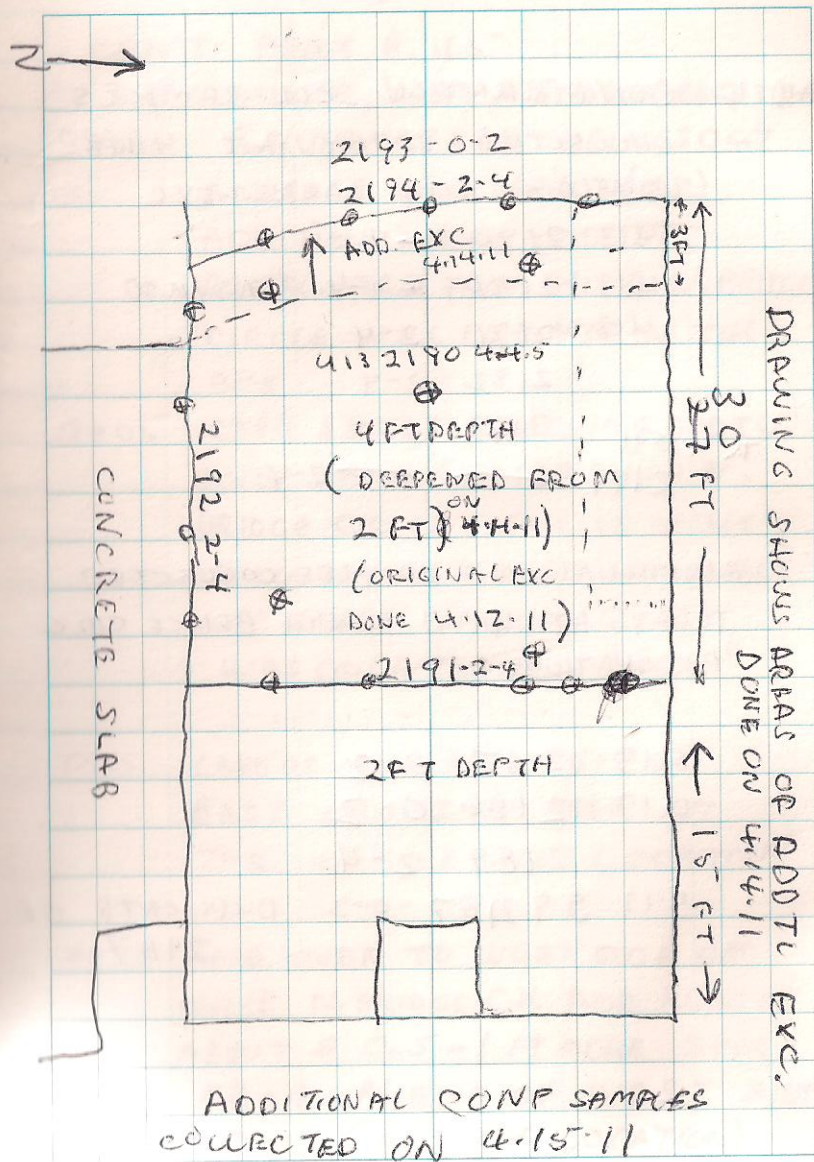


Location HILL AFB UTDate 4-15-11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEEPHOTO LOG 4-15-11

- | #  | DATE    | TIME | W | SUBJECT                                                                                                                                            |
|----|---------|------|---|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 84 | 4-15-11 | 0735 | W | LOADING END-DUMP #16 WITH ADDITIONAL SOIL REMOVED FROM 4113B CHARLESTON LOOP CARPORT D/C                                                           |
| 84 | "       | 0735 | W | ENLARGED EXCAVATION AT 4114B CHARLESTON LOOP CARPORT, CAPE REMOVED ABOUT ANOTHER 40 CY AFTER CONF. SAMPLES INDICATED PCB'S ABOVE SCREENING LEVELS. |
| 86 | "       | 0815 | W | LOADING END-DUMP #16                                                                                                                               |
| 87 | "       | 0846 | S | BLAKE DOWNNEY FROM MWIT COLLECTING SAMPLE # U13-2190 FROM FLOOR OF EXC AT 4114B CHARLESTON LOOP (CARPORT AREA)                                     |

Location HILL AFB, UTDate 4-15-11

Project / Client \_\_\_\_\_





Location HILL ABB. UT Date 4.15.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

ADTL CONFIRMATION SOIL SAMPLES  
COLLECTED TODAY AT 4114B  
CHARLESTON LOOP CARPORT EXC

413-2190 4-4.5

413-2190 AA 4-4.5 MS/MSO

413-2191 2-4

2192 2-4

2193 0-2

M 4.15.11

2194 ~~2193~~ ~~0-2~~ 2-4

ADDITIONAL CONF SAMPLES COLLECTED  
TODAY AT 411B NORTH BRIDGE CIRC  
EXCAVATION.

413-2187 0-2

413-2188 0-2

2189 2-4

413-592187-0-2 DUPLICATE OF  
2187

Location HILL AF-B. UT. Date 4.15.11

Project / Client

CONT FROM P. 115

35° - SUNNY, WIND S-S-10 FROM EAST  
0900 - ENVURO-CARE ROLLS OUT  
ANOTHER ROLL-OFF BOX (#5)  
ADDITIONAL SOIL ~~WILL BE~~  
EXCAVATED FROM 411B N. BRIDGE  
CIRCLE WILL BE PLACED IN THIS  
BOX

0905 - CAPS STARTS REMOVING ADTL  
SOIL FROM EXC AT 411B N.  
BRIDGE CIRCLE. SOIL IS BEING  
REMOVED FROM EAST SIDE WALL  
W/ET WHERE SAMPLE 2156  
WAS COLLECTED.

0915 - CAPS REMOVED ABOUT 6-7 FT  
EAST AND 2 FT DEEP AT  
THE SAMPLE 2157 LOCATION

0920 MOVE OVER TO WEST SIDE OF  
411B N. BRIDGE CIRC. AND REMOVE  
ABOUT 6-8 FT - 1 FT MORE SOIL  
FROM N. END OF WEST SIDE  
WALL (413-2186 LOCATION)  
OSCAR TORRES ON-SITE



Location HILL AFB, UT Date 4.15.11Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

PHOTO LOG 4.15.11

88 4.15.11 0915 N CAPE REMOVING  
ADDITIONAL SOIL FROM  
EAST ~~CENTER~~ WALL  
~~CEN~~ NE SECTION OF  
EXC AT 4111B N. BRIDGE  
CIRCLE. THIS IS WHERE  
SAMPLE 2151 WAS ABOVE  
SSL

89 4.15.11 0935 W REMOVING ADDITIONAL  
SOIL FROM ~~NORTH SIDE~~  
WEST SIDEWALL NORTH  
END WHERE SAMPLE #  
2186 EXCEEDED SSL  
IN EXC AT 4111 N. BRIDGE  
CIRCLE.

90 : 11:15 W WEST WALL OF  
BAI 4111B EXC. NEW  
SAMPLES COLLECTED

91 E EASTWALL OF 4111B EXC  
ADDTL EXC AREA NEW  
CONF SAMPLES COLLECTED

Location HILL AFB, UT Date 4.15.11Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

0950 FINISH UP ON EXC AT 4111B  
N. BRIDGE CIRC.

AF CAPE DECONC EXCAVATOR  
BUCKET BY WASHING IT OFF  
INTO A ROLL-OFF BOXES

JEFF LONG STOP BY.

1005 CAPE FINISHES DECONNING EXC  
BUCKET.  
MINI RAMS READING 0.00

1030 BLAKE MWH IS GETTING READY  
TO SAMPLE ADJTT EXCAVATION  
SIDEWALLS AT 4111B N. BRIDGE  
CIRCLE WHERE CAPE REMOVED  
ADDITIONAL SOIL CAPE IS  
BACKFILLING AT 4111A N. BRIDGE CIRC.

1110 BLAKE MWH IS COLLECTING  
SAMPLES ON WEST WALL,  
NORTH END OF EXCAVATION  
AT 4111B BRIDGE CIRCLE.



Location Hill AFBDate 4-15-11Project / Client OU 13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

## PHOTO LOG

#

DATE/TIME

## SUBJECT

92 4-15-11 1125

N

BLAKE WITH MW #  
COLLECTING SOIL BONE  
SAMPLES IN EXC AT  
4111B N. BRIDGE CIRC.

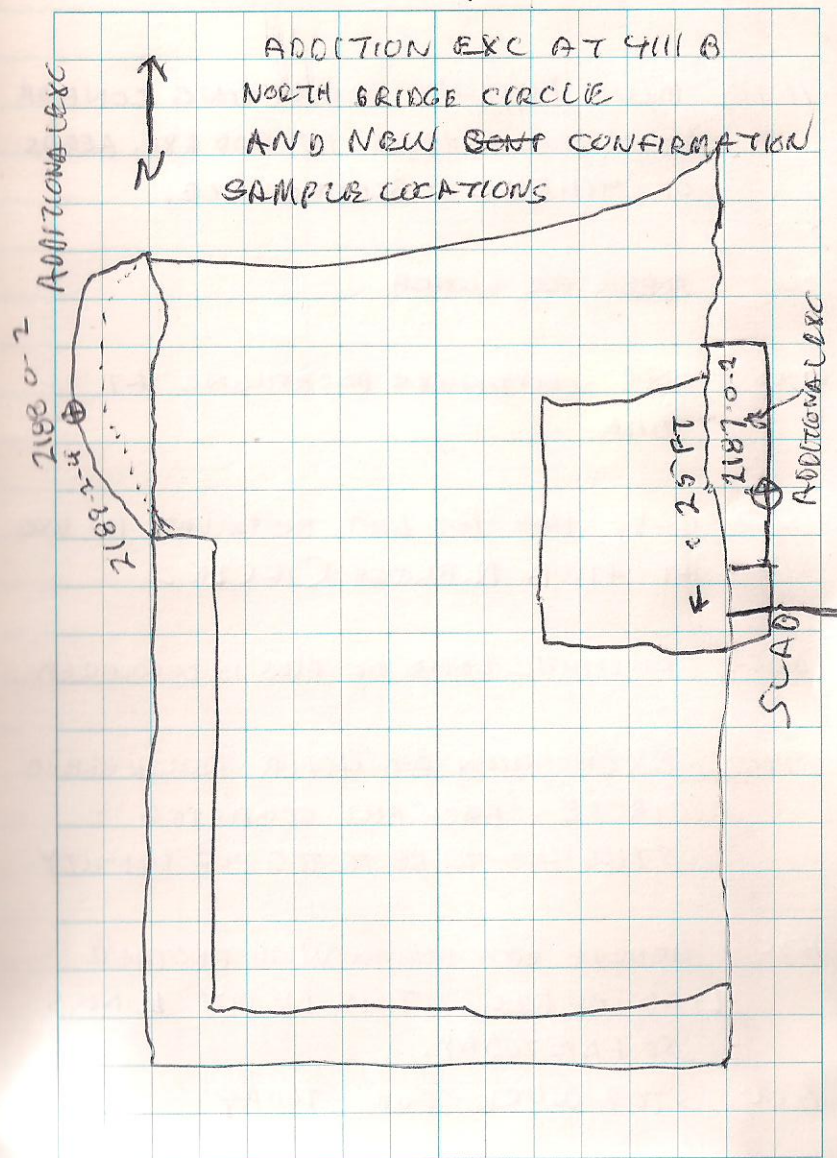
93 4-15-11 1325

SW

1ST LIFT OF FILL INSTALLED  
IN EXCAVATION AT 4111A N.  
BRIDGE CIRCLE.

94 4-15-11 1510

S

BACKFILLED EXCAVATION  
AT 4111A NORTH BRIDGE  
CIRCLELocation Hill AFBDate 4-15-11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE



Location HILL AFB, UT Date 4.15.11Project / Client OW-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

1140 MWH FINISHES COLLECTING CONFIRMATION SOIL SAMPLES IN ADD EXC. AREAS OF 4111B NORTH BRIDGE CIRCLE.

1200 BREAK FOR LUNCH

1245 CAPE CONTINUES BACKFILLING AT 4111A

1320 CAPE HAS 1ST LIFT INSTALLED IN EXC AT 4111A N. BRIDGE CIRCLE.

1330 ANOTHER LOAD OF FILL IS DELIVERED

1440 EXCAVATION AT 4111A NORTH BRIDGE CIRCLE - BACK FILL COMPLETED - STILL HAS TO BE TESTED FOR DENSITY

1500 GENEVA ROCK ARRIVES WITH ANOTHER LOAD OF FILL. THIS IS 5 LOADS SO FAR TODAY.

1600 STOP WORK FOR TODAY

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_





## Excavation Drawings

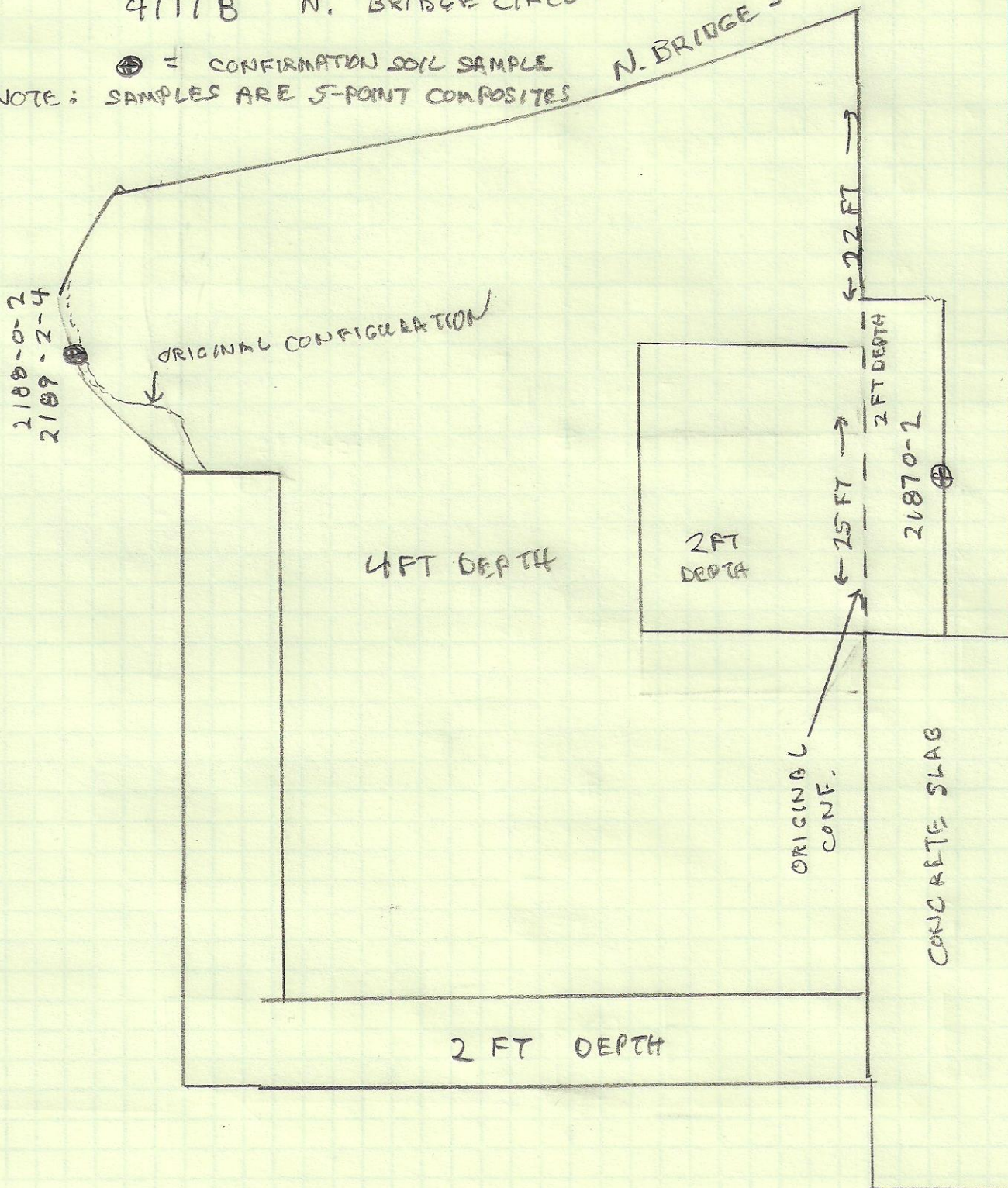


15 APRIL 2011

4111 B N. BRIDGE CIRCLE

N. BRIDGE ST.

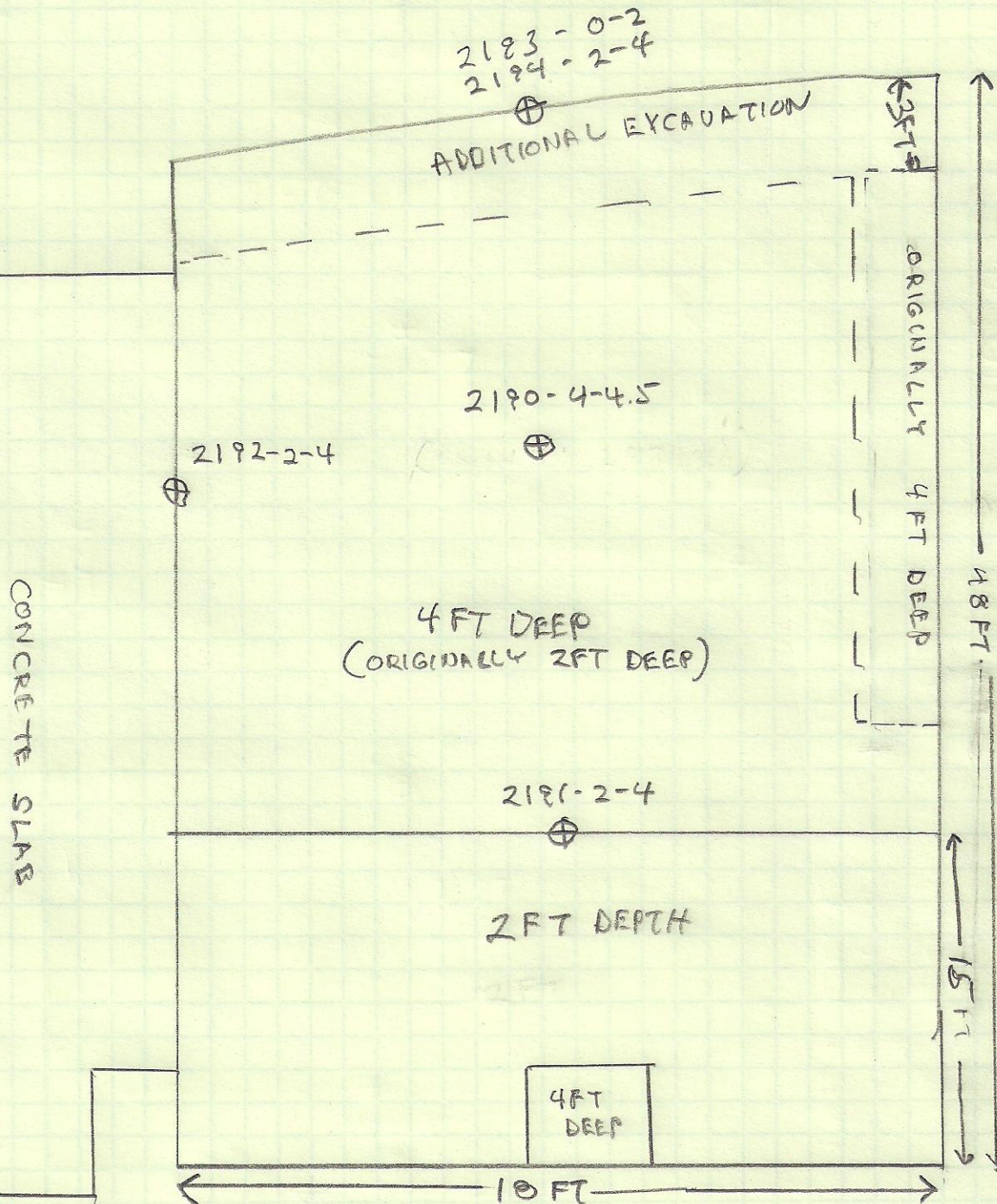
⊕ = CONFIRMATION SOIL SAMPLE  
NOTE: SAMPLES ARE 5-POINT COMPOSITES





# EXCAVATION 4114 B CHARLESTON LOOP CARPORT 15 APR 2011

⊕ = CONFIRMATION SAMPLE LOCATION  
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES







**Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**



## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite



## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample





# Daily Quality Control Report

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FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing Area PCB Remediation OU 13	
Project Number: KRSM20110835		(Remediation Contr is Cape)			
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
8		04/18/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	

**I. Weather Conditions:**

Temp Low 44 Temp High 50 F Cloudy ☒ Partly Cloudy ☐ Clear ☐

Wind Speed 5-10 Precipitation ☐ No ☒ Yes ☐ Rained all day ☐

From NE

**II. Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action)

Preparatory ☐

Initial ☒

Follow-Up ☒

Was the construction deficiency tracking list updated this date? Yes ☐ No ☒

**III. Was Field Sampling and Testing Performed This Date?** Yes ☐ No ☐

If yes, then complete the following:

	Type of test	Method/Matrix	Results
1.	Density testing 0-1 ft	Troxler nuclear gage	95.6% and 97% of optimum (4111A N. Bridge Circle)
2.	Density testing 1-2 ft	Troxler nuclear gage	95% of optimum (4111A N. Bridge Circle)
3.			

Have Data Quality Objectives been achieved? Yes ☒ No ☐

**IV. Have Samples Been Collected for Laboratory Analysis?** Yes ☐ No ☒

If yes, then complete the following:

	Type of Test	EPA Test Method/Matrix	Quantity of Samples
1.			
2.			
3.			

Have required amount of QC trip blanks and rinseates been achieved? Yes ☐ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☐ No ☐

Have QA and QC samples been collected in the specified quantity? Yes ☐ No ☐

Have samples been properly labeled and packaged? Yes ☐ No ☐

**V. Health and Safety.**

Worker protection levels this date: Level A ☐ Level B ☐ Level C ☐ Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒

Were approved decontamination procedures used on workers and equipments as required? Yes ☒ No ☐

Was a Job Safety Meeting held this date? Yes ☒ No ☐

Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes ☐ No ☒

Was hazardous waste/material released into the environment? Yes ☐ No ☒

Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)

Went over eye protection, equipment hazards and slip, trips, falls related to poor footing in work area.

**VI. Work Activities Performed This Date.**

	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor
1.	WP	Compaction testing at 4111A North Bridge Circle	3	Cape
2.	WP	Surveyed new excavation dimensions and additional sample locations at both 4111 B North Bridge Circle and at 4114 B Charleston Loop Carport Area		Cape





## Daily Quality Control Report

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3.	WP			
4.	WP			
5.	WP			

VII. Labor & Manpower.				
	Classification	Number	Employer	Hours
1.	SS/SSHO/QC	1	Cape	4
2.	Laborer	1	Cape	4
3.	EO			
4.	Foreman			
5.	Tech		MWH	0
6.	Title II Inspector	1	NWI	4
Total Hours				12

VIII. Equipment.						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.	1	Dust Monitor		0		
2.	1	John Deere 135C Excavator	04/18/11	1	7	
3.	1	Bobcat T250	04/14/11	0	8	
4.	1	2500 Chevy Pickup	04/14/11	2	6	
5.	1	250 gallon water trailer with pump/hose/nozzle	04/08/11	0	8	
6.					1	
7.						
8.						
9.						
10.						
Total Hours				3	30	0

IX. Material Received to be Incorporated into Job.				None <input checked="" type="checkbox"/>
	Acceptability	Stored Where?	Reference Plans/Drawings	
1.				
2.				
3.				

X. Submittals Reviewed.					None <input checked="" type="checkbox"/>
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken	
1.					
2.					
3.					

XI. Offsite Surveillance Activities. (include action taken)					None <input checked="" type="checkbox"/>

XII. Instructions Given by the Government to the Contractor. (Include names, reactions, and remarks)					Verbal <input type="checkbox"/> Written <input type="checkbox"/> None <input checked="" type="checkbox"/>

**XIII. Work Progress.**

- |    |                                                                      |                              |                                        |
|----|----------------------------------------------------------------------|------------------------------|----------------------------------------|
| 1. | Are there any Contractor caused delays?                              | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 2. | Are there any Contractor-potential findings of fact?                 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 3. | Are there any Government caused delays or potential finding of fact? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 4. | Are there any Government-potential findings of fact?                 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 5. | Are there any unforeseeable or weather related delays?               | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

**XIV. Deficiency List.**

Tracking No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)

**XV. Remarks.** (Include any visitors to project and miscellaneous remarks pertinent to work.)

Tested density at 4111A North Bridge Circle. Density from 0-1 ft was 95.6% and 97% of Proctor and 95% for 1-2 ft.


Site visitors included: Mark Roginske

The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with contract plans and specifications, except as noted above.

**CQC Site Manager** Tom Matzen, NWI (785.760.6617) **Date** 04/18/11

**XVI. Government Quality Assurance Comments.** (if applicable)

Concurs with the QC report? Yes ☐ No ☐

Additional comments or exceptions:

**QAR Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Supervisor's Initial** \_\_\_\_\_ **Date** \_\_\_\_\_





**Date**      **Time**      **Direction of View**

04-18-11      0918

**Subject**

Hill AFB Housing area OU-13. Density gage for testing backfill compaction.



**Date**            **Time**            **Direction of View**

04-18-11        0919

**Subject**

Hill AFB Housing area OU-13. Troxler gage calibration sticker.





Date	Time	Direction of View
04-18-11	0933	S

**Subject**

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 0-1 ft at 4111A North Bridge Circle.



<b>Date</b>	<b>Time</b>	<b>Direction of View</b>
04-18-11	0933	S

**Subject**

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 0-1 ft at 4111A North Bridge Circle.





Date	Time	Direction of View
04-18-11	0951	SW

**Subject**

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 1-2 ft at 4111A North Bridge Circle.



Date	Time	Direction of View
04-18-11	1057	S

**Subject**

Hill AFB Housing area OU-13. Surveying additional excavation area at 4111B North Bridge Circle.





Date	Time	Direction of View
04-18-11	1104	E

**Subject**

Hill AFB Housing area OU-13. Surveying the additional excavation at 4114B Charleston Loop.



## Logbook Notes



Location HILL AFB, UT Date 4.15.11

Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

1140 MW14 FINISHES COLLECTING CONFIRMATION SOIL SAMPLES IN ADD EXC. AREAS OF 4111B NORTH BRIDGE CIRCLE.

1200 BREAK FOR LUNCH

1245 CAPE CONTINUES BACKFILLING AT 4111A

1320 CAPE HAS 1ST LIFT INSTALLED IN EXC AT 4111A N. BRIDGE CIRCLE.

1330 ANOTHER LOAD OF FILL IS DELIVERED

1440 EXCAVATION AT 4111A NORTH BRIDGE CIRCLE - BACK FILL COMPLETED - STILL HAS TO BE TESTED FOR DENSITY

1500 BENEVA ROCK ARRIVES WITH ANOTHER LOAD OF FILL. THIS IS 5 LOADS SO FAR TODAY.

1600 STOP WORK FOR TODAY

Location HILL AFB, UT Date 4.18.11 125

Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

0700 - TAILGATE SAFETY BRIEFING  
RAINING TODAY (THIS AM)  
44°F WIND 0-5 FROM N.  
CAPE IS EXPECTING THE RESULTS FOR THE ADDITIONAL CONFIRMATION SAMPLES THAT WERE COLLECTED ON FRIDAY 15 APRIL 2011.

0820 APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS INC SHOWS QP THE WIL TEST COMPACTION AT 4111A N. BRIDGE CIRCLE.

KYLE IS TECHNICIAN  
KYLE CALIBRATES TROUBLE

1ST LIFT 136.7 PCS (0-1 FT)  
95.6 %

2ND 138.8 147.2 0-1 FT  
97 %

THIRD 135.9 1-2 FT  
95 % 5.4 % 1120



Location Hill AFB, UT Date 4-18-11  
 Project / Client OU-13 PCB REMEDIATION  
TITLE II INSPECTION

1025 MARK STOPS BY  
 SURVEYOR ON-SITE

1030 MARK OFF-SITE

1040 SURVEYORS START SURVEYING  
 AT 4111<sup>th</sup> N. BRIDGE CIR AND  
 4114B CHARLESTON COOP

1115 SURVEYOR FINISH UP.  
 CAMP LEAVES SITE. WILL HOLD  
 OFF ON BACKFILL UNTIL TOMORROW  
 IT IS RAINING AND THERE IS WATER  
 IN EXCAVATIONS

Location Hill AFB, UT Date 4-18-11  
 Project / Client OU-13 PCB REMEDIATION  
TITLE II INSPECTION / ARCEE

100 4-18-11 1050 SURVEYING AT  
 101 " " 4111<sup>th</sup> N. BRIDGE  
 102 " " CIR.  
 103 " " "

104 4-18-11 1105 SURVEYING AT  
 4114B CHARLESTON COOP





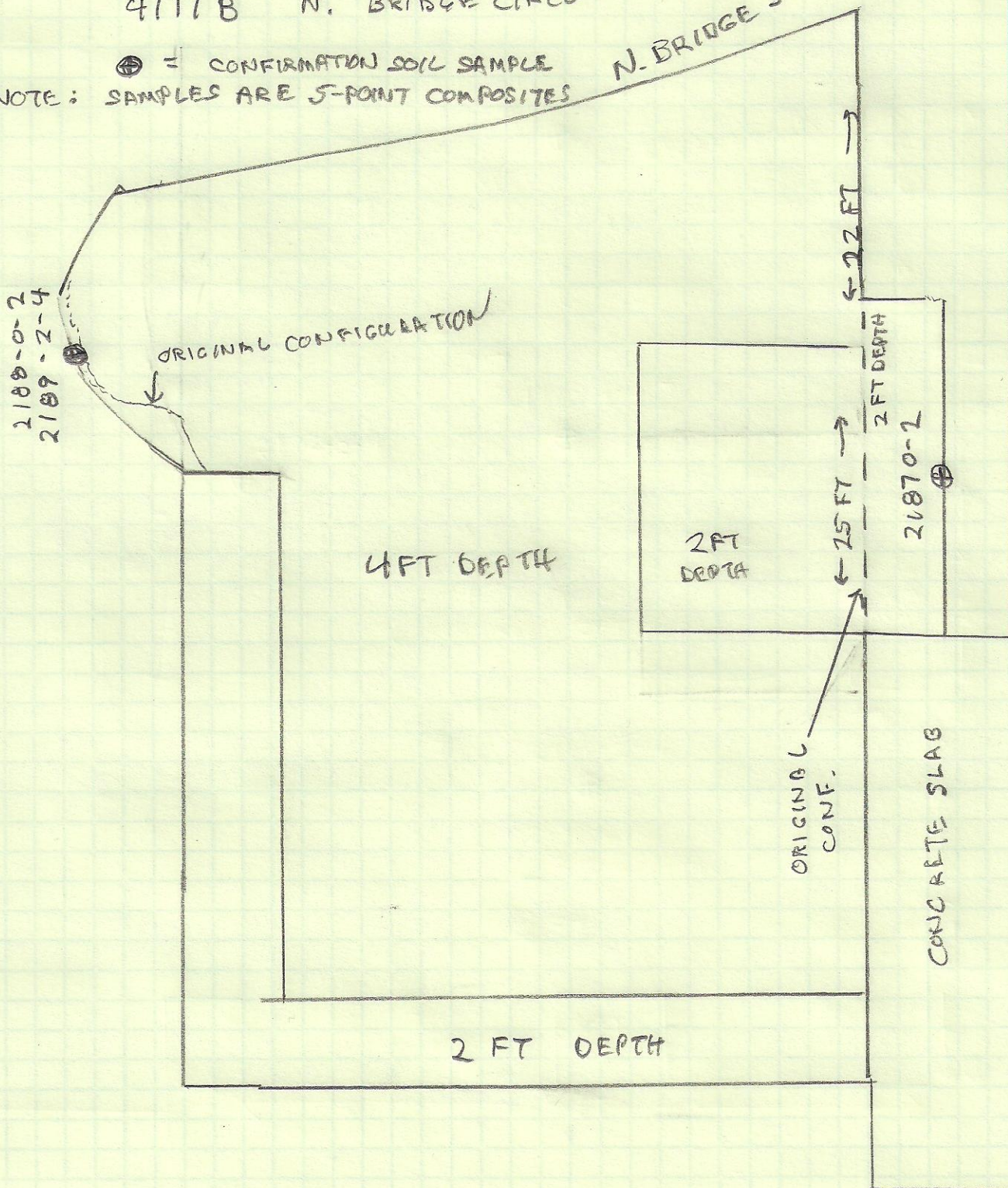
## Excavation Drawings

15 APRIL 2011

4111 B N. BRIDGE CIRCLE

N. BRIDGE ST.

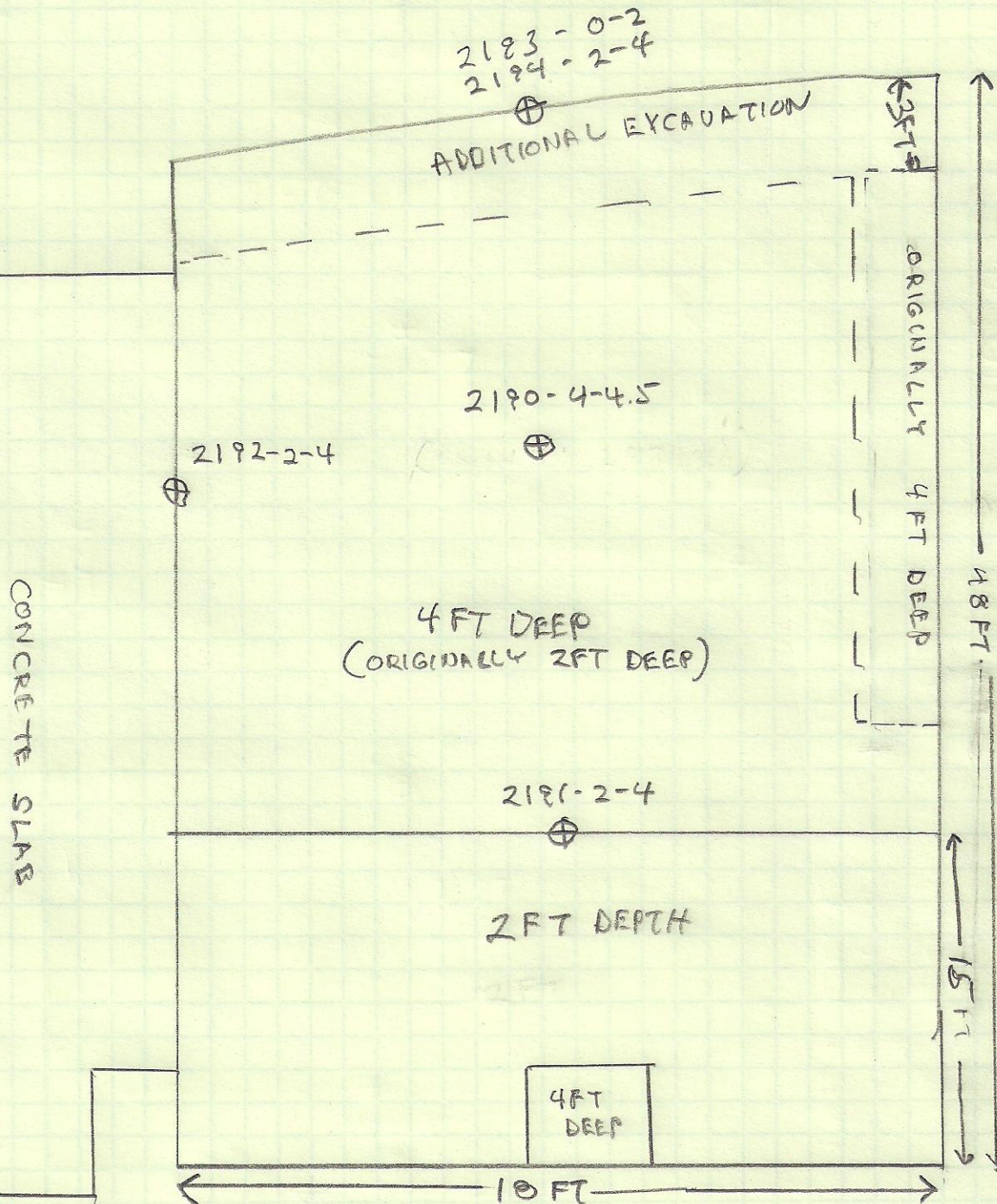
⊕ = CONFIRMATION SOIL SAMPLE  
NOTE: SAMPLES ARE 5-POINT COMPOSITES





# EXCAVATION 4114 B CHARLESTON LOOP CARPORT 15 APR 2011

⊕ = CONFIRMATION SAMPLE LOCATION  
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





**Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**



## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite

## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample



# Daily Quality Control Report

Page 1 of 18

FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing Area PCB Remediation OU 13	
Project Number: KRSM20110835		(Remediation Contr is Cape)			
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
9		04/19/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	

**I. Weather Conditions:**

Temp Low 38 Temp High 45 F Cloudy ☐ Partly Cloudy ☒ Clear ☒

Wind Speed 5-10 Precipitation ☒ No ☐ Yes         

From NW

**II. Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action)

Preparatory ☐

Initial ☒

Follow-Up ☒ Compaction testing

Was the construction deficiency tracking list updated this date? Yes ☐ No ☒

**III. Was Field Sampling and Testing Performed This Date?** Yes ☒ No ☐

If yes, then complete the following:

	Type of test	Method/Matrix	Results
1.	Density testing 3-4 ft	Troxler nuclear gage	95.7% of optimum (4114B Charleston Loop carport)
2.	Density testing 2-3 ft	Troxler nuclear gage	97.5% of optimum (4114B Charleston Loop carport)
3.	Density testing 1-2 ft	Troxler nuclear gage	95.3% of optimum (4114B Charleston Loop carport)
4.	Density testing 0-1 ft	Troxler nuclear gage	97.5% of optimum (4114B Charleston Loop carport)
5.	Density testing 3-4 ft	Troxler nuclear gage	96.8% of optimum (4111B North Bridge Circle)
6.	Density testing 2-3 ft	Troxler nuclear gage	96.8% of optimum (4111B North Bridge Circle)

Have Data Quality Objectives been achieved? Yes ☒ No ☐

**IV. Have Samples Been Collected for Laboratory Analysis?** Yes ☐ No ☒

If yes, then complete the following:

	Type of Test	EPA Test Method/Matrix	Quantity of Samples
1.			
2.			
3.			

Have required amount of QC trip blanks and rinseates been achieved? Yes ☐ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☐ No ☐

Have QA and QC samples been collected in the specified quantity? Yes ☐ No ☐

Have samples been properly labeled and packaged? Yes ☐ No ☐

**V. Health and Safety.**

Worker protection levels this date: Level A ☐ Level B ☐ Level C ☐ Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒

Were approved decontamination procedures used on workers and equipments as required? Yes ☒ No ☐

Was a Job Safety Meeting held this date? Yes ☒ No ☐

Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes ☐ No ☒

Was hazardous waste/material released into the environment? Yes ☐ No ☒

Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)

Went over eye protection, equipment hazards and slip, trips, falls related to poor footing in work area.

**VI. Work Activities Performed This Date.**

	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor





## Daily Quality Control Report

Page 2 of 18

1.	WP	Compaction testing at 4114B Charleston Loop	4	Cape
2.	WP	Compaction testing at 4111B North Bridge Circle	2	Cape
3.	WP	Hauled in pit-run clean fill	100 cy	Cape
4.	WP			
5.	WP			

<b>VII. Labor &amp; Manpower.</b>						
	Classification	Number	Employer	Hours		
1.	SS/SSHO/QC	1	Cape	8		
2.	Laborer	1	Cape	8		
3.	EO					
4.	Foreman					
5.	Tech		Associated Geotechnical Engineering Consultants	6		
6.	Title II Inspector	1	NWI	8		
Total Hours				30		
<b>VIII. Equipment.</b>						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.	1	Dust Monitor		0		
2.	1	John Deere 135C Excavator	04/19/11	6	2	
3.	1	Bobcat T250	04/19/11	6	2	
4.	1	2500 Chevy Pickup	04/14/11	2	6	
5.	1	250 gallon water trailer with pump/hose/nozzle	04/08/11	0	8	
6.					1	
7.						
8.						
9.						
10.						
Total Hours				14	18	0
<b>IX. Material Received to be Incorporated into Job.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Acceptability	Stored Where?	Reference Plans/Drawings			
1.	Acceptable pit-run clean fill	Placed in excavations	WP			
2.						
3.						
<b>X. Submittals Reviewed.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken		
1.						
2.						
3.						
<b>XI. Offsite Surveillance Activities.</b> (include action taken) <span style="float: right;">None <input checked="" type="checkbox"/></span>						
<b>XII. Instructions Given by the Government to the Contractor.</b> (Include names, reactions, and remarks) <span style="float: right;">Verbal <input type="checkbox"/> Written <input type="checkbox"/> None <input checked="" type="checkbox"/></span>						



<b>XIII. Work Progress.</b>			
1.	Are there any Contractor caused delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Are there any Contractor-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Are there any Government caused delays or potential finding of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4.	Are there any Government-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5.	Are there any unforeseeable or weather related delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>XIV. Deficiency List.</b>			
Tracking No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)
<b>XV. Remarks.</b> (Include any visitors to project and miscellaneous remarks pertinent to work.)			
Compaction testing conducted on 4 lifts at 4114 Charleston Loop in the carport area. All results >90% of Proctor			
Compaction testing conducted on 1 lift at 4111B North Bridge Circle. All results > 90% of Proctor.			
Boyer Hill personnel capped water line in the sub-sidewalk excavation at 4114B Charleston Loop			
Site visitors included: Mark Roginske; Jeff Long			
The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with contract plans and specifications, except as noted above.			
<b>CQC Site Manager</b>		Tom Matzen, NWI (785.760.6617)	<b>Date</b> 04/19/11
<b>XVI. Government Quality Assurance Comments.</b> (if applicable)			
Concurs with the QC report?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Additional comments or exceptions:			
<b>QAR Signature</b>		<b>Date</b>	
<b>Supervisor's Initial</b>		<b>Date</b>	





Date	Time	Direction of View
04-19-11	0827	W

**Subject**

Hill AFB Housing area OU-13. First lift of clean fill placed in excavation at 4114B Charleston Loop.



**Date**            **Time**            **Direction of View**  
 04-19-11        0827            W

**Subject**

Hill AFB Housing area OU-13. Compaction testing first lift of clean fill placed in excavation at 4114B Charleston Loop.





Date	Time	Direction of View
04-19-11	1047	W

**Subject**

Hill AFB Housing area OU-13. Compaction testing third lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop.





<b>Date</b>	<b>Time</b>	<b>Direction of View</b>
04-19-11	1235	W

**Subject**

Hill AFB Housing area OU-13. Compaction testing fourth and final lift (0-1 ft) of clean fill placed in excavation at 4114B Charleston Loop.



Date	Time	Direction of View
04-19-11	1314	N

**Subject**

Hill AFB Housing area OU-13. Starting to place clean fill in excavation at 4111B North Bridge Circle.





Date	Time	Direction of View
04-19-11	1338	NW

**Subject**

Hill AFB Housing area OU-13. Compaction test on first lift (3-4 ft depth) clean fill in excavation at 4111B North Bridge Circle.





Date	Time	Direction of View
04-19-11	1338	NW

**Subject**

Hill AFB Housing area OU-13. Placing second lift of clean fill in excavation at 4111B North Bridge Circle.



## Logbook Notes



Location HILL AFB, UT Date 19 APR 2011  
 Project / Client OU-13 PCB REMEDIATION  
TITLE II INSPECTION / AFCEE

0700 TAILGATE SAFETY BRIEFING  
 PARTLY CLOUDY, CALM, 38°F

0715 CARE STARTS INSTALLING FIRST  
 LIFT OF FILL AT 4114B CHARLE-  
 STON LOOP (CARPORT EXCAVATION)

0830 AGCC IS # DENSITY TESTING  
 1ST LIFT (3-4 FT BCS) IN EXCAVATION  
 AT 4114B CHARLESTON LOOP CARPORT  
 AREA. TESTED AT 95.7 %  
 OF PROCTOR

0940 MARK ROGINSKE ON-SITE

0950 MARK OFF-SITE

0955 TESTING SECOND LIFT AT 97.5  
 AT 4114B CHARLESTON LOOP

1050 TESTING COMPACTION ON 3RD  
 LIFT AT 4114B CHARLESTON  
 LOOP (95.3 % OF PROCTOR)

1235 4TH AND FINAL LIFT INSTALLED  
 AND TESTED AT 97.5 %  
 OF PROCTOR

Location HILL AFB UT Date 19 APR 11  
 Project / Client OU-13 PCB REMEDIATION  
TITLE II INSPECTION / AFCEE

#	DATE/TIME	D	SUBJECT
110	4-18-11 1048	W	3RD LIFT INSTALLED AT 4114B CHARLESTON LOOP
111	" 1234	W	4TH AND FINAL LIFT INSTALLED AT 4113B CHARLESTON LOOP CAR- PORT AREA - TESTING COMPACTION
112	4-19-11 1315	N	BACK FILLING AT 4111B N. BRIDGE CIRCLE 1ST LIFT
113	" 1340	NW	TESTING 1ST LIFT AT 4111B NORTH BRIDGE CIRCLE SOUTH HALF
114	" 1225	NW	TESTING 1ST LIFT ON NORTH <sup>HALF</sup> OF 4111B N. BRIDGE CIR.
115	" 1604	S	PLACING A 2ND LIFT OF FILL INTO EXCAT 4111B N. BRIDGE CTRC



Location HILL AFB UT Date 4-19-11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE  
CONT FROM P. 1281240 CAPE PREPARES TO START BACKFILL  
AT 411B N. BRIDGE CIRCLE.1340<sup>2</sup> BACK FILLING 1ST LIFT AT  
411B N. BRIDGE CIRCLE.

1330 JEFF CONC ON-SITE

1340 1ST LIFT INSTALLED AT 411B  
N. BRIDGE CIRCLE (96.8%)  
IN SOUTH HALF1429 ~~95.8~~ 96.0% OF PROCTOR  
ON 1ST LIFT NORTH  
END HALF.  
SUNNT, <sup>45</sup>20°F, WIND FROM  
NW 5-101430 CAPE CONTINUES BACKFILL AT  
411B NORTH BRIDGE CIRCLE1600 GENEVA ROCK DELIVERS 5TH  
LOAD OF FILL. BROUGHT IN  
ABOUT 100 CY TODAY  
CAPE PLACES FILL -

1615 STOP WORK FOR TODAY

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

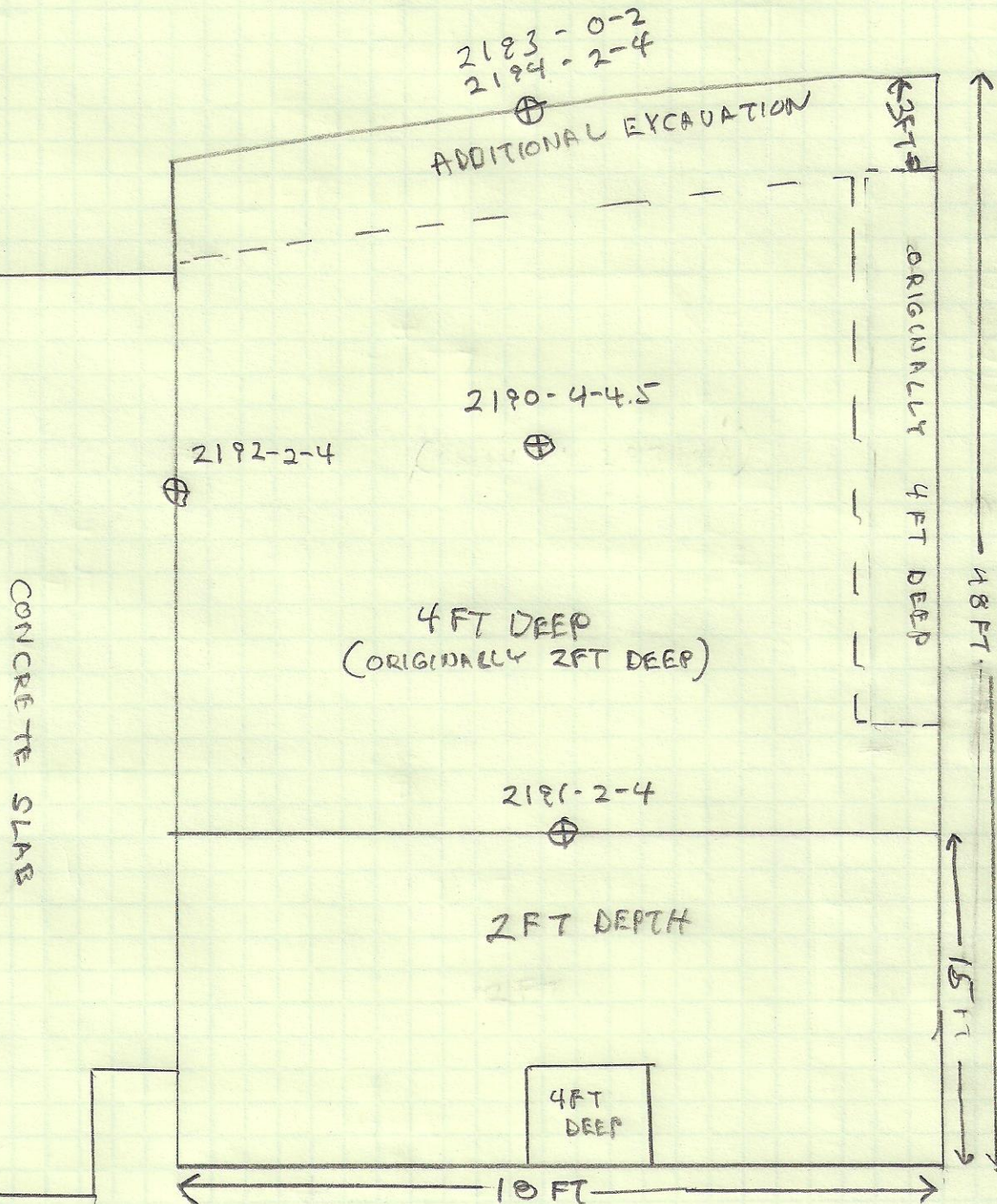




## Excavation Drawings

# EXCAVATION 4114 B CHARLESTON LOOP CARPORT 15 APR 2011

⊕ = CONFIRMATION SAMPLE LOCATION  
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES



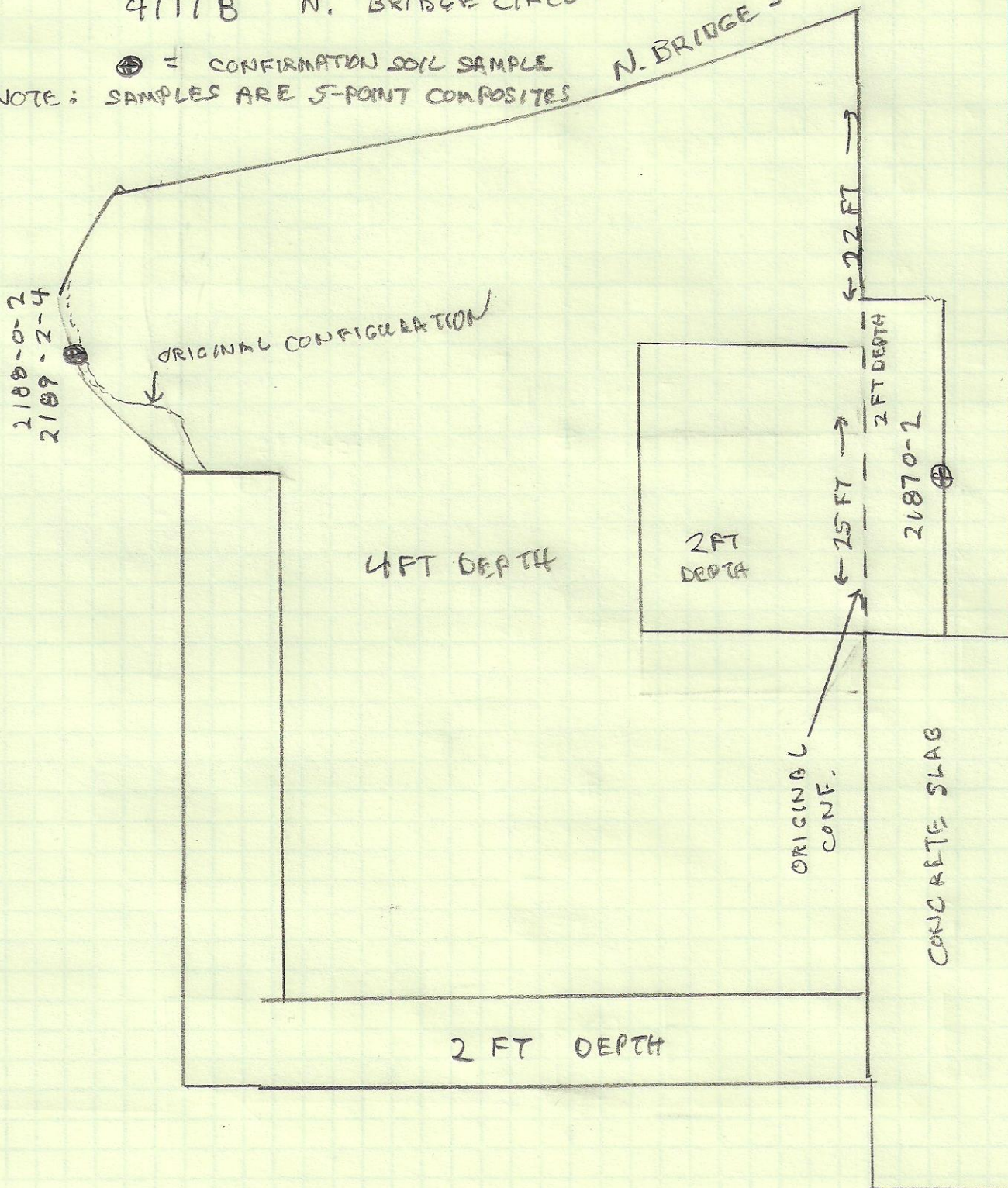


15 APRIL 2011

4111 B N. BRIDGE CIRCLE

N. BRIDGE ST.

⊕ = CONFIRMATION SOIL SAMPLE  
NOTE: SAMPLES ARE 5-POINT COMPOSITES





**Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**



## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite

## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample



## Daily Quality Control Report

Page 1 of 18

FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing Area PCB Remediation OU 13	
Project Number: KRSM20110835		(Remediation Contr is Cape)			
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
10		04/20/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	
<b>I. Weather Conditions:</b>					
Temp Low	38	Temp High	53 F	Cloudy	<input checked="" type="checkbox"/>
Wind Speed	5-10	Precipitation	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Partly Cloudy	<input type="checkbox"/>
From	S			Clear	<input type="checkbox"/>
<b>II. Quality Control Inspections Performed This Date</b> (Include inspections, results, deficiencies observed, and corrective action)					
Preparatory <input type="checkbox"/>					
Initial <input checked="" type="checkbox"/> Inspect imported fill					
Follow-Up <input checked="" type="checkbox"/> Compaction testing					
Was the construction deficiency tracking list updated this date? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
<b>III. Was Field Sampling and Testing Performed This Date?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
If yes, then complete the following:					
	Type of test	Method/Matrix	Results		
1.	Density testing 1-2 ft	Troxler nuclear gage	96% and 95% of optimum (4114B Charleston Loop sidewalk)		
2.	Density testing 0.5-1 ft	Troxler nuclear gage	98.8% and 95.9% of optimum (4114B Charleston Loop sidewalk)		
3.	Density testing 0-.5	Troxler nuclear gage	99% and 98% of optimum (4114B Charleston Loop sidewalk)		
4.	Density testing 2-3 ft	Troxler nuclear gage	99% and 97% of optimum (4111B North Bridge Circle)		
5.	Density testing 1-2 ft	Troxler nuclear gage	97%, 94%, and 99% of optimum (4111B North Bridge Circle)		
6.	Density testing 0-1 ft	Troxler nuclear gage	96% and 97% of optimum (4111B North Bridge Circle)		
Have Data Quality Objectives been achieved? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
<b>IV. Have Samples Been Collected for Laboratory Analysis?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
If yes, then complete the following:					
	Type of Test	EPA Test Method/Matrix	Quantity of Samples		
1.					
2.					
3.					
Have required amount of QC trip blanks and rinseates been achieved? Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have QA and QC samples been collected in the specified quantity? Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have samples been properly labeled and packaged? Yes <input type="checkbox"/> No <input type="checkbox"/>					
<b>V. Health and Safety.</b>					
Worker protection levels this date: Level A <input type="checkbox"/> Level B <input type="checkbox"/> Level C <input type="checkbox"/> Level D <input checked="" type="checkbox"/>					
Was any work activity conducted within a confined space? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Were approved decontamination procedures used on workers and equipments as required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Was a Job Safety Meeting held this date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Was hazardous waste/material released into the environment? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)					
Went over eye protection, equipment hazards and slip, trips, falls related to poor footing in work area.					





## Daily Quality Control Report

Page 2 of 18

VI. Work Activities Performed This Date.				
	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor
1.	WP	Compaction testing at 4114B Charleston Loop	7	Cape
2.	WP	Compaction testing at 4111B North Bridge Circle	6	Cape
3.	WP	Hauled in pit-run clean fill	120 cy	Cape
4.	WP	Backfilled excavations at 4111B North Bridge Circle and at 4114B Charleston Loop sidewalk area		Cape
5.	WP			

VII. Labor & Manpower.				
	Classification	Number	Employer	Hours
1.	SS/SSHO/QC	1	Cape	8
2.	Laborer	1	Cape	8
3.	EO			
4.	Foreman			
5.	Tech		Associated Geotechnical Engineering Consultants	6
6.	Title II Inspector	1	NWI	8
Total Hours				30

VIII. Equipment.						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.	1	Dust Monitor		0		
2.	1	John Deere 135C Excavator	04/20/11	6	2	
3.	1	Bobcat T250	04/20/11	6	2	
4.	1	2500 Chevy Pickup	04/20/11	2	6	
5.	1	250 gallon water trailer with pump/hose/nozzle	04/08/11	0	8	
6.	1	Wacker vibrating roller trench compacter	04/20/11	4	4	
7.						
8.						
9.						
10.						
Total Hours				16	22	0

IX. Material Received to be Incorporated into Job.				None <input checked="" type="checkbox"/>
	Acceptability	Stored Where?	Reference Plans/Drawings	
1.	Acceptable pit-run clean fill	Placed in excavations	WP	
2.				
3.				

X. Submittals Reviewed.					None <input checked="" type="checkbox"/>
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken	
1.					
2.					
3.					

XI. Offsite Surveillance Activities. (include action taken)					None <input checked="" type="checkbox"/>



## Daily Quality Control Report

Page 3 of 18

<b>XII.</b>	<b>Instructions Given by the Government to the Contractor.</b> (Include names, reactions, and remarks)	Verbal <input type="checkbox"/>	Written <input type="checkbox"/> None <input checked="" type="checkbox"/>
<b>XIII.</b>	<b>Work Progress.</b>		
1.	Are there any Contractor caused delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Are there any Contractor-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Are there any Government caused delays or potential finding of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4.	Are there any Government-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5.	Are there any unforeseeable or weather related delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>XIV.</b>	<b>Deficiency List.</b>		
Tracking No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)
<b>XV.</b>	<b>Remarks.</b> (Include any visitors to project and miscellaneous remarks pertinent to work.)		
Compaction testing conducted on 3 lifts at 4114 Charleston Loop in the sidewalk area. All results =>95% of Proctor			
Compaction testing conducted on 3 lifts at 4111B North Bridge Circle. All results > 90% of Proctor.			
Backfill and compaction completed at 4111B North Bridge Circle and at 4114B Charleston Loop sidewalk area.			
Boyer Hill's sub-contractor began removing the concrete slab at 4111 A and B North Bridge Circle just as soon as Cape had finished with backfilling and testing the excavation at 4111B North Bridge Circle. It had been understood that they were supposed to wait until Thursday morning after the final inspection.			
Site visitors included: Mark Roginske; Jeff Long			
The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with contract plans and specifications, except as noted above.			
<b>CQC Site Manager</b>		Tom Matzen, NWI (785.760.6617)	<b>Date</b> 04/20/11
<b>XVI.</b>	<b>Government Quality Assurance Comments.</b> (if applicable)		
Concurs with the QC report?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Additional comments or exceptions:			
<b>QAR Signature</b>		<b>Date</b>	
_____		_____	
<b>Supervisor's Initial</b>	_____	<b>Date</b>	_____





Date	Time	Direction of View
04-20-11	0848	W

**Subject**

Hill AFB Housing area OU-13. Testing compaction of second lift of clean fill placed in excavation at 4111B North Bridge Circle.



Date	Time	Direction of View
04-20-11	0911	NW

**Subject**

Hill AFB Housing area OU-13. Testing compaction of third lift of clean fill placed in excavation at 4111B North Bridge Circle.





Date	Time	Direction of View
04-20-11	1011	S

**Subject**

Hill AFB Housing area OU-13. Compacting first lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop sidewalk area.





Date	Time	Direction of View
04-20-11	1017	S

**Subject**

Hill AFB Housing area OU-13. Compaction testing first lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop sidewalk area.





Date	Time	Direction of View
04-20-11	1342	S

**Subject**

Hill AFB Housing area OU-13. Compaction testing final lift of clean fill placed in excavation at 4111B North Bridge Circle.



Date	Time	Direction of View
04-20-11	1344	S

**Subject**

Hill AFB Housing area OU-13. Final lift of clean fill placed in excavation at 4111B North Bridge Circle.





Date	Time	Direction of View
04-20-11	1538	N

**Subject**

Hill AFB Housing area OU-13. View of completed clean fill placed in excavation at 4114B Charleston Loop sidewalk area.



## Logbook Notes



Location HILL AFB UT Date 4.19.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE  
CONT FROM P. 1281240 CAPE PREPARES TO START BACKFILL  
AT 411B N. BRIDGE CIRCLE.1340<sup>2</sup> BACK FILLING 1ST LIFT AT  
411B N. BRIDGE CIRCLE.

1330 JEFF CONG ON SITE

1340 1ST LIFT INSTALLED AT 411B  
N. BRIDGE CIRCLE (96.8%)  
IN SOUTH HALF1429 ~~95.8~~ 96.0% OF PROCTOR  
ON 1ST LIFT NORTH  
END HALF.  
SUNNT, <sup>45</sup>50°F, WIND FROM  
NW 5-101430 CAPE CONTINUES BACKFILL AT  
411B NORTH BRIDGE CIRCLE1600 GENEVA ROCK DELIVERS 5TH  
LOAD OF FILL. BROUGHT IN  
ABOUT 100 CY TODAY  
CAPE PLACES FILL -

1615 STOP WORK FOR TODAY

Location HILL AFB UT Date 4.20.11Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

0700 TAILGATE SAFETY BRIEFING  
CLOUDY THIS A.M 42° F  
WIND FROM N.E.0800 CAPE COMPACTING FILL IN  
EXCAVATION 1 AT 411B N. BRIDGE  
CIRCLE0830 GENEVA ARRIVES WITH ANOTHER  
20 CY OF FILL0850 AFCEE TESTING 2ND LIFT  
IN EXC. AT 411B N. BRIDGE  
CIRCLE. <sup>96.8%</sup>~~96.8%~~ N END  
97.0 S END0910 TESTING AT 3RD LIFT  
N END 97.3 AT 411B  
NORTH BRIDGE CIRCLE0950 GENEVA BRINGS IN ANOTHER  
20 CY1000 CAPE IS PLACING 1ST LIFT OF  
FILL INTO THE SUB-SIDEWALK  
EXC. AT 411B NORTH BRIDGE  
CIRCLE.



Location Hill AFB, UT Date 4-20-11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE  
PHOTO LOG

#	DATE/TIME	Q	SUBJECT
116	4-20-11 0850	W	TESTING COMPACTION ON 2ND LIFT AT 411B N-BRIDGE CIRC
117 "	0910	NW	TESTING COMPACTION 3RD LIFT N END OF EXC 411B N-BRIDGE CIRC
118	4-20-11 1010	S	COMPACTING 1ST LIFT IN SUB-SIDE WALK EXCAVATION AT 4114B CHARLESTON LOOP.
119 "	1020	S	TESTING COMPACTION ON 1ST LIFT OF FILL AT 4114D CHARLES
120 "	1106	N	COMPACTING A LIFT NAT 4114B CHARLESTON LOOP
121 "	1315	S	COMPACTION TESTING 3RD LIFT - SOUTH HALF OF SIDEWALK AREA EXC 4114B CH

Location Hill AFB, UT Date 4-20-11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

1015	TESTING 1ST LIFT OF FILL IN SUB SIDEWALK EXC AT 4114B CHARLESTON LOOP SUB SIDEWALK (95.8% OF OPTIMUM) NORTH HALF (95.0) ON SOUTH END
110	THE VIBRATING ROLLER COMPACTOR IS A "WACKER" MODEL # 4-20-11 TRENCH COMPACTOR
1110	TESTING 2ND LIFT 4114B CHARLESTON LOOP SIDEWALK AREA 98.8% OPTIM N END OF TRENCH 95.9% SOUTH END OF TRENCH
1130	GENEVA ROCK DELIVERS ANOTHER 20 CY OF FILL.
114545	99% ON NORTH HALF 94% ON SOUTH HALF TEST RESULTS ON 3RD LIFT INSTALLED AT 411B N-BRIDGE CIRCLE.
1205	GENEVA DELIVERS 4TH 20 CYD LOAD OF FILL



Location HILL AFB, UT Date 4.20.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

CONT. FROM P.133

1305 GENEVA ARRIVES W/ANOTHER  
20 CYS OF FILL.1310 TESTING 3RD LIFT AT SIDE  
WALK AREA 4114B CHARLESTON  
LOOP NORTH HALF 99% OF  
PROCTOR SOUTH HALF 98%  
~~SOUTH HALF =~~~~1315~~ ~~COMPACTION TEST~~ M 4.20.11  
CLOUDY 50°F, WIND  
FROM S1340 AGE TESTING N HALF OF  
FINAL LIFT AT 4114B N. BRIDGE  
CIRCLE.N HALF 96.8%  
S. HALF 97.1%

1410 WAITING FOR FINAL LOAD OF FILL

M 4.20.11

140020 GENEVA DELIVERS 6TH LOAD OF  
FILL. (20 CYS).Location HILL AFB, UT Date 4.20.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE  
PHOTO LOG

#	DATE/TIME	\$	SUBJECT
122	4.20.11	1345	S FINAL LIFT AT 4114B
123	"	"	S NORTH BRIDGE CIRC.
124	"	"	S
125	"	1540	FINAL LIFT AT SITE WALK AREA 4114B CHARLESTON LOOP.



Location HILL AFB, UT Date 4.20.11Project / Client OU-13 PCB REMEDIATIONTITLE II / AFCEE

1540 CAPE FINCHES GRADING FR  
 SUB SIDEWALK EXC AT 4114B  
 CHARLESTON LOOP

1600 POLICE UP AREA STOP WORK  
 FOR TODAY.

~~THOMAS A. RAJAN~~  
 20 APR 2011

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_




## Excavation Drawings

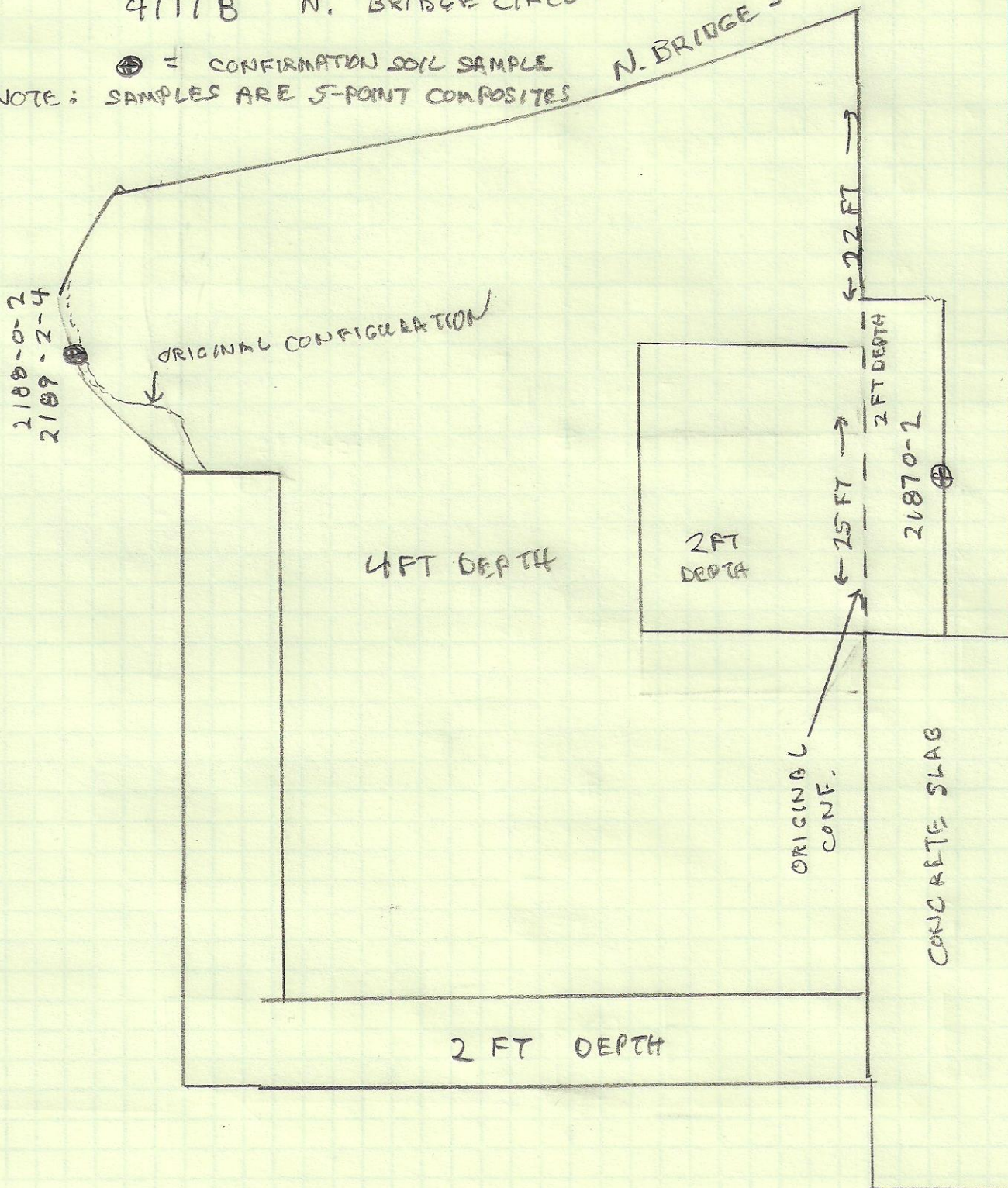


15 APRIL 2011

4111 B N. BRIDGE CIRCLE

N. BRIDGE ST.

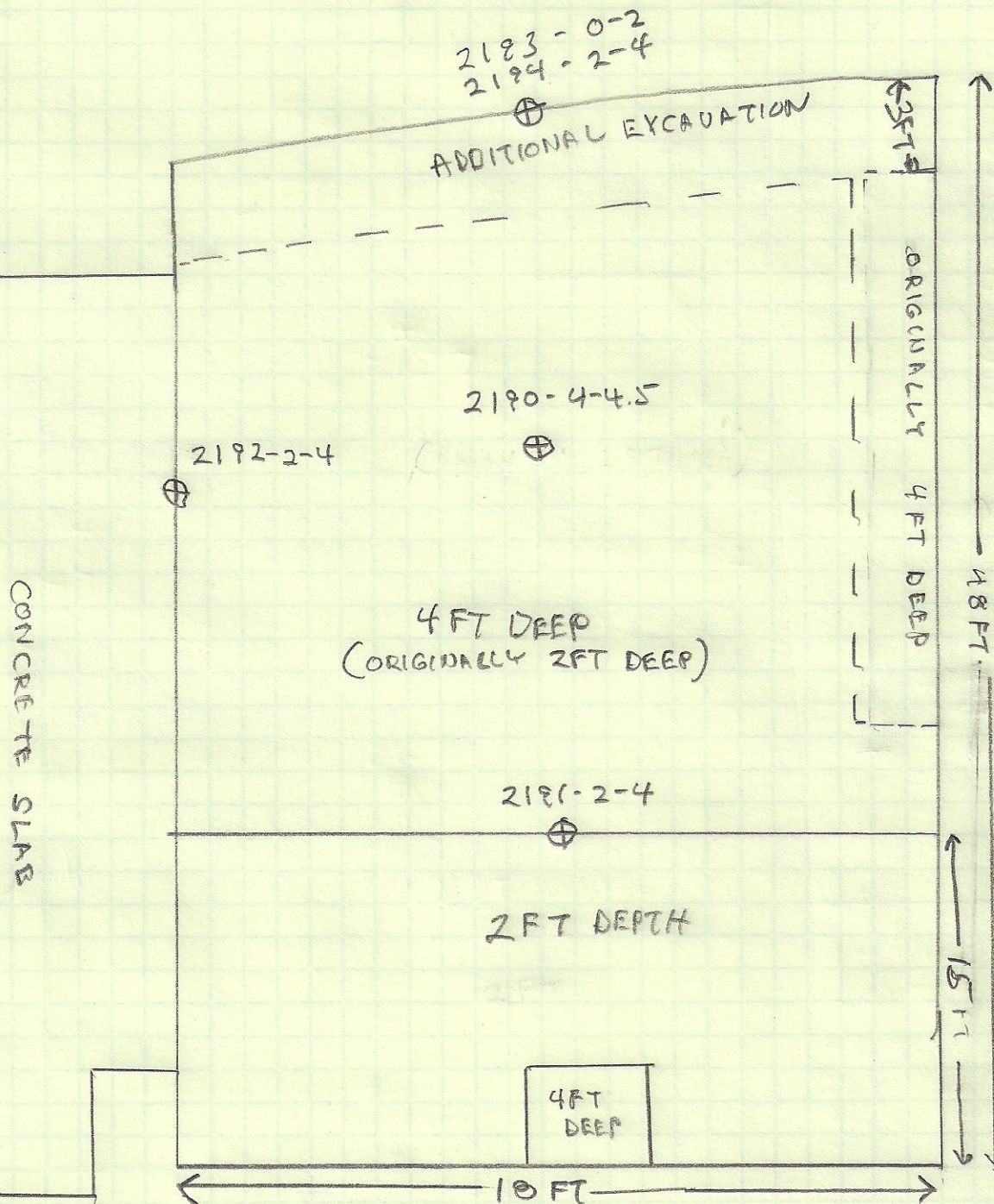
NOTE:  = CONFIRMATION SOIL SAMPLE  
SAMPLES ARE 5-POINT COMPOSITES





# EXCAVATION 4114 B CHARLESTON LOOP CARPORT 15 APR 2011

⊕ = CONFIRMATION SAMPLE LOCATION  
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





**Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**

## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite



## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample





## Excavation Drawings



**Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**



## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite

## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample



## Daily Quality Control Report

Page 1 of 5

FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing Area PCB Remediation OU 13	
Project Number: KRSM20110835		(Remediation Contr is Cape)			
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
11		04/21/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	
<b>I. Weather Conditions:</b>					
Temp Low 37		Temp High 37 F		Cloudy <input checked="" type="checkbox"/> Partly Cloudy <input type="checkbox"/> Clear <input type="checkbox"/>	
Wind Speed 0-5		Precipitation <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
From E					
<b>II. Quality Control Inspections Performed This Date</b> (Include inspections, results, deficiencies observed, and corrective action)					
Preparatory <input type="checkbox"/>					
Initial <input type="checkbox"/>					
Follow-Up <input checked="" type="checkbox"/> Final walk-through					
Was the construction deficiency tracking list updated this date? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
<b>III. Was Field Sampling and Testing Performed This Date?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
If yes, then complete the following:					
	Type of test	Method/Matrix		Results	
1.					
2.					
3.					
4.					
5.					
6.					
Have Data Quality Objectives been achieved? Yes No <input type="checkbox"/>					
<b>IV. Have Samples Been Collected for Laboratory Analysis?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
If yes, then complete the following:					
	Type of Test	EPA Test Method/Matrix		Quantity of Samples	
1.					
2.					
3.					
Have required amount of QC trip blanks and rinseates been achieved? Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have QA and QC samples been collected in the specified quantity? Yes <input type="checkbox"/> No <input type="checkbox"/>					
Have samples been properly labeled and packaged? Yes <input type="checkbox"/> No <input type="checkbox"/>					
<b>V. Health and Safety.</b>					
Worker protection levels this date: Level A <input type="checkbox"/> Level B <input type="checkbox"/> Level C <input type="checkbox"/> Level D <input checked="" type="checkbox"/>					
Was any work activity conducted within a confined space? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Were approved decontamination procedures used on workers and equipments as required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Was a Job Safety Meeting held this date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Was hazardous waste/material released into the environment? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)					
<b>VI. Work Activities Performed This Date.</b>					



## Daily Quality Control Report

Page 2 of 5

	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor
1.		Job completion inspection with Mark Roginske, Hill AFB PM and Jeff Long, URS housing construction inspector.		
2.				
3.				
4.				
5.				

<b>VII. Labor &amp; Manpower.</b>						
	Classification	Number	Employer	Hours		
1.	SS/SSHO/QC	1	Cape	3		
2.	Laborer	1	Cape	3		
3.	EO					
4.	Foreman					
5.	Tech		Associated Geotechnical Engineering Consultants			
6.	Title II Inspector	1	NWI	2		
Total Hours				8		
<b>VIII. Equipment.</b>						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.	1	Dust Monitor		0		
2.	1	John Deere 135C Excavator	04/20/11		8	
3.	1	Bobcat T250	04/20/11	1	7	
4.	1	2500 Chevy Pickup	04/20/11	2	6	
5.	1	250 gallon water trailer with pump/hose/nozzle	04/08/11	0	8	
6.	1	Wacker vibrating roller trench compacter	04/20/11	0	8	
7.						
8.						
9.						
10.						
Total Hours				3	37	0
<b>IX. Material Received to be Incorporated into Job.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Acceptability	Stored Where?	Reference Plans/Drawings			
1.						
2.						
3.						
<b>X. Submittals Reviewed.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken		
1.						
2.						
3.						
<b>XI. Offsite Surveillance Activities.</b> (include action taken) <span style="float: right;">None <input checked="" type="checkbox"/></span>						







## Logbook Notes

136

Location HILL AFB, UT Date 4.20.11Project / Client OU-13 PCB REMEDIATION  
TITLE II / AFCEE

1540 CAFE FINISHES GRADING AT  
SUB SIDEWALK EXC AT 4114B  
CHARLESTON LOOP

1600 POLICE WD AREA STOP WORK  
FOR TODAY.

*Theresa O. Madison*  
20 APR 2011

137

Location HILL AFB, UT Date 4.21.11Project / Client OU-13 PCB REMEDIATION  
TITLE II / AFCEE

CLOUDY THIS AM, 37°F, WIND CALM.  
0700 SITE SAFETY BRIEFING  
0730 FINAL INSPECTION  
MARK ROGINSKE  
JEFF LONG

BACKFILLING AN CURRENT  
FINAL SITE CONDITION IS  
APPROVED. THIS IS CONTINGI  
ENT ON UNALATED ANALYT  
ICAL RESULTS HOWEVER  
WHICH WHICH ARE DUE ON  
MONDAY 25 APRIL 2011

BOYER HILL REMOVED THE  
SLAB AT 411A AND B  
N. BRIDGE CIRCLE LAST  
NIGHT. THEY WERE SUPPOSED  
TO WAIT UNTIL THIS MORNING  
AFTER THE FINAL WALKTHROUGH  
FOR THE OU-13 WORK. ALSO  
THE ASBESTOS ABATEMENT CREW  
STARTED EARLY THIS MORNING.  
THEY WERE SUPPOSED TO WAIT UNTIL  
AFTER THE FINAL WALK THROUGH ALSO.





## Daily Quality Control Report

Page 1 of 22

FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing Area PCB Remediation OU 13	
Project Number: KRSM20110835		(Remediation Contr is Cape)			
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
12		04/25/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	

**I. Weather Conditions:**

Temp Low 37 Temp High 50 F Cloudy ☐ Partly Cloudy ☒ Clear ☐

Wind Speed 0-5 Precipitation ☒ No ☐ Yes         

From W

**II. Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action)

Preparatory ☐

Initial ☐

Follow-Up ☒ Backfill and compact additional excavation

Was the construction deficiency tracking list updated this date? Yes ☐ No ☒

**III. Was Field Sampling and Testing Performed This Date?** Yes ☐ No ☒

If yes, then complete the following:

	Type of test	Method/Matrix	Results
1.	Compaction testing	Troxler nuclear gage	
2.			
3.			
4.			
5.			
6.			

Have Data Quality Objectives been achieved? Yes ☐ No ☐

**IV. Have Samples Been Collected for Laboratory Analysis?** Yes ☐ No ☒

If yes, then complete the following:

	Type of Test	EPA Test Method/Matrix	Quantity of Samples
1.	Soil confirmation	8082 PCBs in soil	One 4-point composite
2.			
3.			

Have required amount of QC trip blanks and rinseates been achieved? Yes ☒ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☒ No ☐

Have QA and QC samples been collected in the specified quantity? Yes ☒ No ☐

Have samples been properly labeled and packaged? Yes ☒ No ☐

**V. Health and Safety.**

Worker protection levels this date: Level A ☐ Level B ☐ Level C ☐ Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒

Were approved decontamination procedures used on workers and equipments as required? Yes ☒ No ☐

Was a Job Safety Meeting held this date? Yes ☒ No ☐

Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes ☐ No ☒

Was hazardous waste/material released into the environment? Yes ☐ No ☒

Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)

VI. Work Activities Performed This Date.				
	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor
1.	WP	Additional excavation at 4114B Charleston Loop carport area	20 cy	Cape
2.	WP	Additional side wall sampling of east side wall of additional excavation at 4114B Charleston Loop carport area.	1 confirmation sample	MWH
3.	WP	Survey	1	Bush and Gudgeon
4.	WP	Geotech compaction testing	2	AGEC
5.				

VII. Labor & Manpower.				
	Classification	Number	Employer	Hours
1.	SS/SSHO/QC	1	Cape	4
2.	Laborer	1	Cape	4
3.	Sample tech	1	MWH	2
4.	Foreman			
5.	Tech		Associated Geotechnical Engineering Consultants	1
6.	Title II Inspector	1	NWI	4
Total Hours				15

VIII. Equipment.						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.	1	Dust Monitor		0		
2.	1	John Deere 135C Excavator	04/25/11	2	6	
3.	1	Bobcat T250	04/25/11	2	6	
4.	1	2500 Chevy Pickup	04/25/11	2	6	
5.	1	250 gallon water trailer with pump/hose/nozzle	04/08/11	0	8	
6.	1	Wacker vibrating roller trench compacter	04/20/11	0	8	
7.						
8.						
9.						
10.						
Total Hours				3	37	0

IX. Material Received to be Incorporated into Job.				None <input checked="" type="checkbox"/>
	Acceptability	Stored Where?	Reference Plans/Drawings	
1.				
2.				
3.				

X. Submittals Reviewed.					None <input checked="" type="checkbox"/>
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken	
1.					
2.					
3.					

XI. Offsite Surveillance Activities. (include action taken)					None <input checked="" type="checkbox"/>



## Daily Quality Control Report

Page 3 of 22

<b>XII. Instructions Given by the Government to the Contractor.</b> (Include names, reactions, and remarks) <span style="float: right;">Verbal <input type="checkbox"/> Written <input type="checkbox"/> None <input checked="" type="checkbox"/></span>			
<b>XIII. Work Progress.</b>			
1.	Are there any Contractor caused delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Are there any Contractor-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Are there any Government caused delays or potential finding of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4.	Are there any Government-potential findings of fact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5.	Are there any unforeseeable or weather related delays?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>XIV. Deficiency List.</b>			
Tracking No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)
<b>XV. Remarks.</b> (Include any visitors to project and miscellaneous remarks pertinent to work.)			
Excavated an additional 20 Cy from the east end of the excavation At 4114B Charleston Loop Where Sample # 2171-0-2 result had exceeded the soil screening level.			
Collected 4-point composite from east end wall of additional excavation area (sample number 2195-0-2).			
Surveyed additional excavation area.			
Backfilled and compaction tested additional excavation area.			
Did not operate dust monitors since additional excavation work only required about 20 minutes. No visible dust.			
Site visitors included: Mark Roginske, Hill AFB; Jeff Long, URS			
The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with contract plans and specifications, except as noted above.			
<b>CQC Site Manager</b>		Tom Matzen, NWI (785.760.6617)	<b>Date</b> 04/25/11
<b>XVI. Government Quality Assurance Comments.</b> (if applicable)			
Concurs with the QC report?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Additional comments or exceptions:			
<b>QAR Signature</b>		<b>Date</b>	
<b>Supervisor's Initial</b>		<b>Date</b>	





Date	Time	Direction of View
04-25-11	0739	SE

**Subject**

Hill AFB Housing area OU-13. Excavating additional soil from the east end of the carport excavation area at 4114B Charleston Loop. Sample #2171-0-2 collected at the east end of the original excavation area had exceeded the soil screening level.



Date	Time	Direction of View
04-25-11	0849	SW

**Subject**

Hill AFB Housing area OU-13. Terry Price (MWH) preparing to collect confirmation sample from the east end of the additional excavation at the carport area at 4114B Charleston Loop.





Date	Time	Direction of View
04-25-11	0853	E

**Subject**

Hill AFB Housing area OU-13. Terry Price (MWH) flagging composite confirmation sample locations at the east end of the additional excavation at the carport area at 4114B Charleston Loop (sample # 2195-0-2).





Date	Time	Direction of View
04-25-11	0900	SE

**Subject**

Hill AFB Housing area OU-13. Additional excavation area with composite confirmation sample locations flagged at the east end of the additional excavation at the carport area at 4114B Charleston Loop.





Date	Time	Direction of View
04-25-11	1028	SE

**Subject**

Hill AFB Housing area OU-13. Surveyor staking corners of additional excavation at the carport area at 4114B Charleston Loop.





<b>Date</b>	<b>Time</b>	<b>Direction of View</b>
04-25-11	1058	SE

**Subject**

Hill AFB Housing area OU-13. Backfilling additional excavation at the carport area at 4114B Charleston Loop with clean imported structural fill.





<b>Date</b>	<b>Time</b>	<b>Direction of View</b>
04-25-11	1138	SW

**Subject**

Hill AFB Housing area OU-13. Additional excavation area at the carport area at 4114B Charleston Loop backfilled and compacted. Stakes mark corners of excavation and were placed by the surveyor. The surveyor was having difficulties with the GPS and so staked the corners and measured the excavation so Cape could go ahead and backfill.



Date	Time	Direction of View
04-25-11	1203	S

**Subject**

Hill AFB Housing area OU-13. Surveyor finally resolved GPS issues, surveyed the corner stakes. He had previously measured all of the excavation dimension in reference to the corner stakes so he can plot depth of excavation and location of 4-point composite subsamples.





Date	Time	Direction of View
04-25-11	1235	S

**Subject**

Hill AFB Housing area OU-13. Compaction testing 0-1 ft in area of additional excavation at 4113B Charleston Loop carport area.





Date	Time	Direction of View
04-25-11	1239	S

**Subject**

Hill AFB Housing area OU-13. Compaction testing 1-2 ft in area of additional excavation at 4113B Charleston Loop carport area.



## Logbook Notes



Location HILL AFB Date 4-25-11Project / Client OU-13 PCB REMEDIATIONTITLE II OVERSITE / AFCEE

0700 BACK ON SITE - SAFETY  
BRIEFING. CAPE GOES UP  
TO ROY GATE TO GET ENVIRO-CARB  
TRUCK ON BASE.

0715 ENVIRO CARE END-DUMPPON SITE - CAPE  
GETTING EQUIPMENT READY

0725 START REMOVING ADDITIONAL SOIL  
FROM 4114B CHARLESTON LOOP WHERE  
SAMPLE # 2171-0-2 EXCEEDED SOIL  
SCREENING LEVELS (EAST END OF EXCAVATION)

0755 FINISH ADDITIONAL EXCAVATION.

0800 TERRY WITH MWH ARRIVES HE WILL BE  
COLLECTING THE CONFIRMATION SAMPLES  
COMPLETE ADDITION. LOADED TRUCK LEAVES

0810 GENEVA ARRIVES WITH A LOAD OF CLEAN  
FILL FOR THE ADDITIONAL EXCAVATION AREA  
AT 4114B CHARLESTON LOOP CARPORT  
AREA.

DI MARK ROGINSKE HAD ASKED IF  
THE FOO FLOOR OF THE ADDITIONAL  
EXCAVATION WOULD BE SAMPLED  
CHECKED WORK PLAN FOR THIS AND IT

Location HILL AFB Date 4-25-11Project / Client OU-13 PCB REMEDIATIONTITLE II OVERSITE / AFCEE.  
PHOTO-LOG

#	DATE/TIME		SUBJECT
126	4-25-11 0720	S	AREA WHERE ADDITIONAL EXCAVATIONS REQUIRED AT 4114B CHARLESTON LOOP
127	" 0740	SE	REMOVING ADDITIONAL SOIL FROM EAST END OF 4114B CHARLESTON LOOP EXCAVATION WHERE SAMPLE # 2171-0-2 EXCEEDED SSLs
128	" 0850	W	MWH PACKING EAST SIDE WALL TO SAMPLE 2195-0-2
129	" 0855	E	TERRY FLAGGING NEW EAST SIDE WALL SAMPLER LOCATION AT 4114B CHARLESTON LOOP
130	" 0900	S	ADDITIONAL EXC AT 4114B CHARLESTON LOOP



Location HILL AFB UT Date 4.25.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

CONT. FROM P. 138

~~DON~~ DON DOES NOT SPECIFY  
 ASKED TERRY ABOUT THIS. TERRY  
 CONSIDERS THE EAST 1/2 FLOOR  
 SAMPLE (WHICH WAS CLEAN) TO  
 COVER THE FLOOR OF THE ADDITIONAL  
 AREA. ALSO CH2M HILL'S PREVIOUS  
 WORK WOULD INDICATE THAT 2 FT DEPTH  
 AND BELOW ARE CLEAN

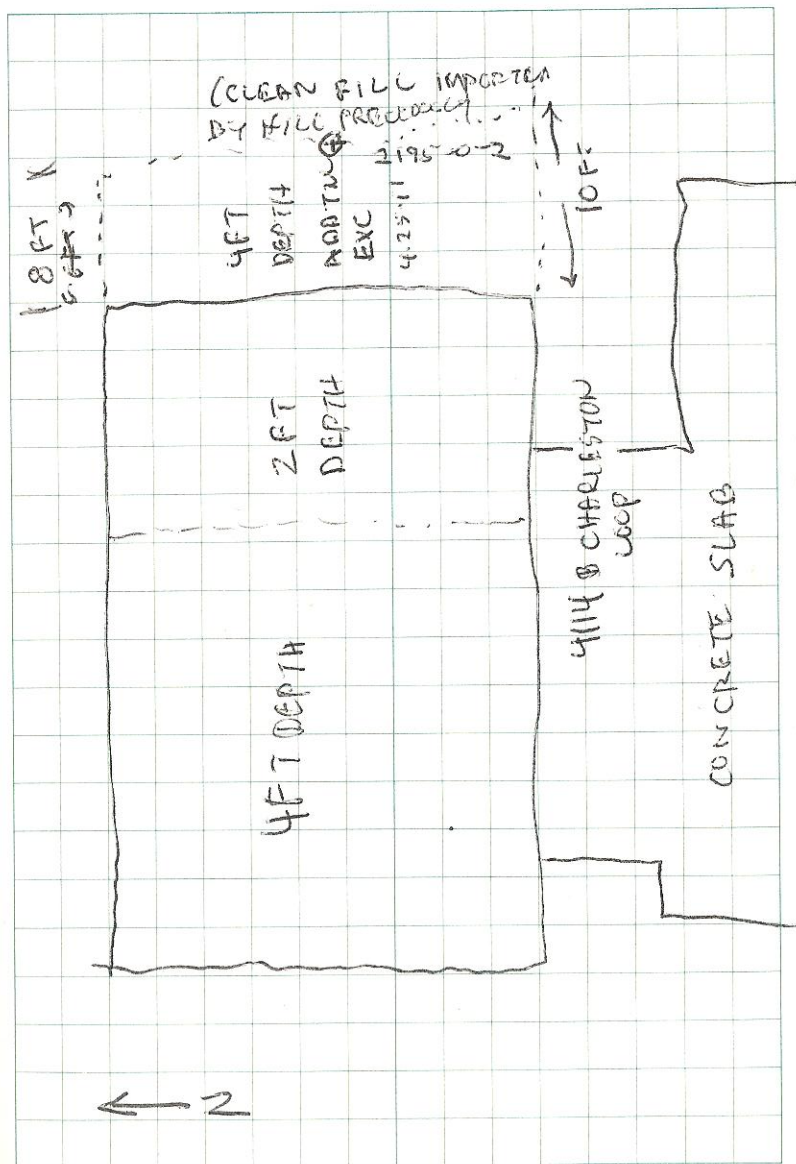
ADDITIONAL EAST SIDE WALL  
 SAMPLES IS 2695-0-2

0820 WAITING FOR SURVEYOR

0825 BUSH AND GUDCELL SURVEYING ARRIVES

0840 SURVEYOR IS HAVING SATELLITE  
ISSUES GPS NOT FUNCTIONAL

1030 SURVEYOR MEASURES DEPTH OF EXCAVA  
 TION AND STAKES CORNERS AND  
 SAMPLE LOCATIONS SO CREW CAN  
 GO AHEAD AND BACKFILL. SURVEYOR  
 WILL SURVEY STAKES WHEN GPS COMES  
 BACK UP

Location HILL AFB Date 4.25.11Project / Client OU-13 PCB REMEDIATIONTITLE II INSPECTION / AFCEE

Location HILL AFB, UT Date 4-25-11Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

PHOTO LOG

#	DATE/TIME	S	SUBJECT
131	4-25-11 1030	S	SURVEYOR STAKING CORNERS OF ADDITIONAL EXCAVATION AT 4114B CHARLESTON LOOP
132	" 1040	S	CARE BACKFILLING ADDITIONAL EXCAVATION
133	" 1100	SE	PLACING FINAL LIFT IN ADDITIONAL EXCAVATION
134	" 1140	SW	BACKFILL COMPLETE AT ADDITIONAL EXCAVATION AT 4114B CHARLESTON LOOP
135	" 1200	S	SURVEYORS SURVEYING ADDING EXC. AT 4114B CHARLESTON LOOP CARPORT AREA
136	1235	S	TESTING COMPACTION 0-1 FT
137	1240	S	TESTING COMPACTION 1-2 FT

Location HILL AFB, UT Date 4-25-11Project / Client OU-13 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

1040	CARE IS BACKFILLING EXCAVATION IN 1 FT LIFTS
1130	COMPLETE BACKFILLING. WAITING FOR GEOTECH (AGEC)
<del>1200</del> 1200	<del>CARE SPEKE</del>
1205	SURVEY PROCEEDING GPS BACK UP ON LINE TOM CARE CHECKED WITH MARK ROGINSKE TO SEE IF HE WANTED TO COMEBACK OUT TO SIGN-OFF ON BACKFILLING AT 4114B CHARLESTON LOOP. MARK SAID HE DID NOT WANTED TO LOOK AT IT AGAIN
1210	SURVEYOR FINISHED UP SURVEY.
1235	AGEC TECHNICIAN ARRIVES TO DO COMPACTION TESTING. 0-1 FT TESTS AT 95% 1-2 FT 91.4 %
1300	JEFF LONG STOPS BY ALL WORK COMPLETE



## Excavation Drawings



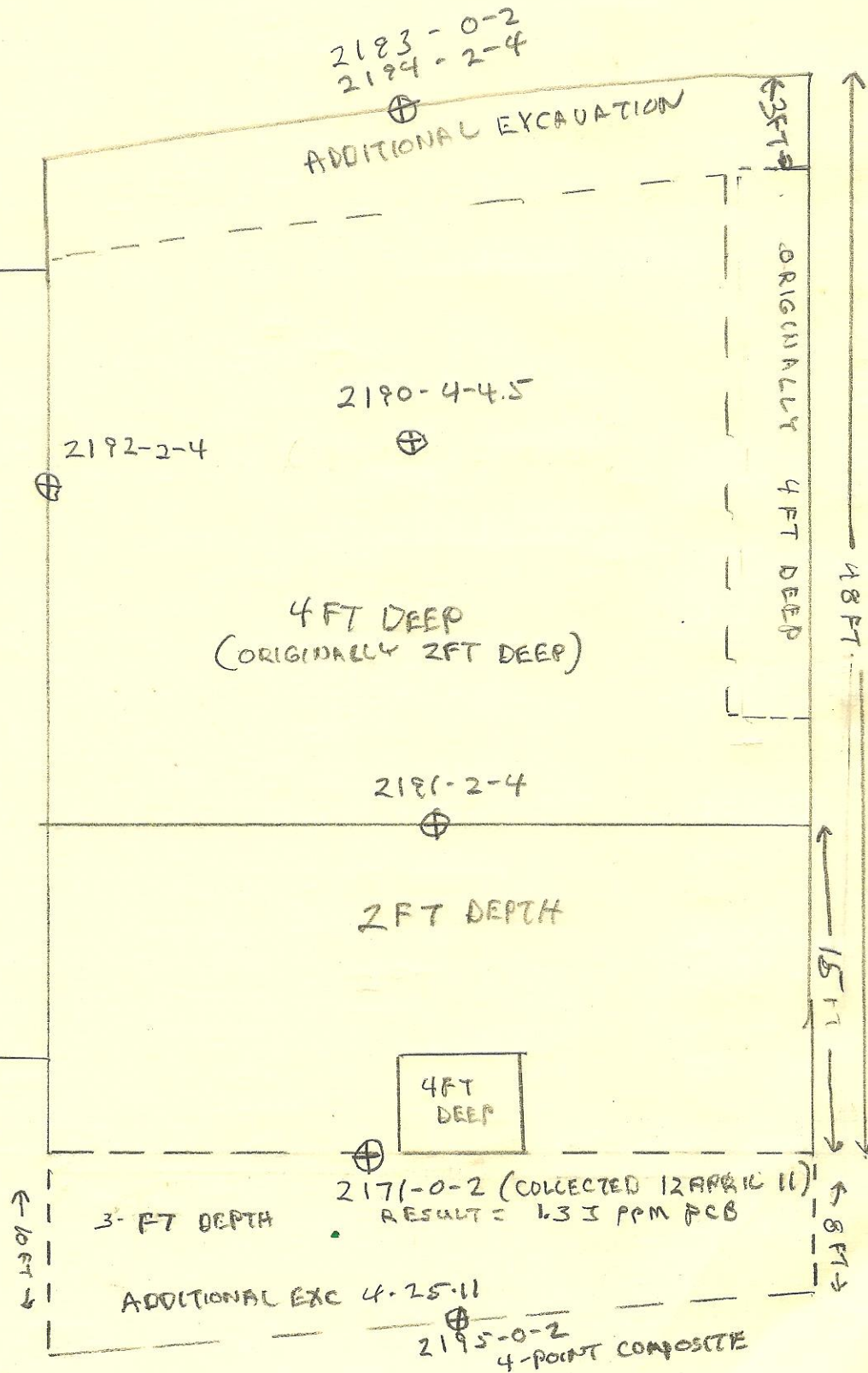
# EXCAVATION 4114 B CHARLESTON LOOP CARPORT

15 APR 2011  
UPDATED 25 APR 2011

⊕ = CONFIRMATION SAMPLE LOCATION  
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES



CONCRETE SLAB  
4114 B CHARLESTON LOOP



**Sample Number Table Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.**

## Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite/ND (preliminary) Validated result 4.6J mg/kg
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg (preliminary) Validated result 14J mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite



## Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg (preliminary) Validated Result 4.6 mg/kg (1260) and 1.5J mg/kg(1254)
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg (preliminary) Validated Result 1.4 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg (preliminary) Validated Result 2.6 mg/kg (1260) and 1.2J mg/kg(1254)
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg (preliminary) Validated Result 18 mg/kg (1260) and 2.7J mg/kg(1254)
U13-2167	12 Apr 2011	Excavation at	Bottom of 4 ft deep section in north	4-4.5	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		4114B Charleston Loop	west corner		
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg (preliminary) Validated result 3.5 mg/kg
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp/0.85 mg/kg (preliminary) Validated result 1.3J mg/kg
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		Charleston Loop			
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg (preliminary) Validated result 56J mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg (preliminary) Validated result 5.3J mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at	Sub-sidewalk excavation, west wall,	0-2	4-point comp



Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		4114B Charleston Loop	middle 1/3		
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample	0-2	5-point comp

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
			2176 and 2168 exceeded the soil screening level.		
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp
U13-2195	25 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall. This area was extended about 8 ft eastward because sample number 2171-0-2 exceeded the SSL	0-2	4-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration

Green highlight = Quality control sample

FA8903-08-D-8786 TO 0011		North Wind, Inc		Title II Oversight Hill AFB Housing	
Project Number: KRSM20110835		(Remediation Contr is Cape)		Area PCB Remediation OU 13	
Contract Number / Task Order Number		Contractor		Project Title / NWI Project No.	
13		05/09/11		Hill AFB, UT Freedom Terrace Housing Area OU-13	
CQC Report Number		Date or Time Period		Location and Team	

**I. Weather Conditions:**

Temp Low 40 Temp High 50 F Cloudy ☒ Partly Cloudy ☐ Clear ☐

Wind Speed 0-5 Precipitation ☐ No ☒ Yes W

From W

**II. Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action)

Preparatory ☐

Initial ☐

Follow-Up ☒ Backfill and machine compact additional excavation

Was the construction deficiency tracking list updated this date? Yes ☐ No ☒

**III. Was Field Sampling and Testing Performed This Date?** Yes ☐ No ☒

If yes, then complete the following:

	Type of test	Method/Matrix	Results
1.			
2.			
3.			
4.			
5.			
6.			

Have Data Quality Objectives been achieved? Yes ☒ No ☐

**IV. Have Samples Been Collected for Laboratory Analysis?** Yes ☐ No ☒

If yes, then complete the following:

	Type of Test	EPA Test Method/Matrix	Quantity of Samples
1.	PCB analyses	8082/Soil	7 (note: confirmation samples actually collected on 2 May 2011)
2.			
3.			

Have required amount of QC trip blanks and rinseates been achieved? Yes ☒ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☒ No ☐

Have QA and QC samples been collected in the specified quantity? Yes ☒ No ☐

Have samples been properly labeled and packaged? Yes ☒ No ☐

**V. Health and Safety.**

Worker protection levels this date: Level A ☐ Level B ☐ Level C ☐ Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒

Were approved decontamination procedures used on workers and equipments as required? Yes ☒ No ☐

Was a Job Safety Meeting held this date? Yes ☒ No ☐

Were there any lost time accidents this date? (If YES, attach copy of completed accident report) Yes ☐ No ☒

Was hazardous waste/material released into the environment? Yes ☐ No ☒

Safety comments: (Include any infractions of approved safety plan, and include instructions from Government personnel. Specify corrective action taken.)

**VI. Work Activities Performed This Date.**

Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor



1.	WP	Additional excavation at 4114B Charleston Loop	20 cy	Cape		
2.	WP	Survey	1	Bush and Gudgell		
3.						
4.						
5.						
<b>VII. Labor &amp; Manpower.</b>						
	Classification	Number	Employer	Hours		
1.	SS/SSHO/QC	1	Cape	5		
2.	Survey	1	Bush & Gudgell	5		
3.						
4.						
5.						
6.	Title II Inspector	1	NWI	5		
Total Hours				15		
<b>VIII. Equipment.</b>						
	No. of Units	Plant/Equipment	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
1.						
2.	1	Caterpillar 311 Excavator	05/09/11	4	0	
3.	1	2500 Chevy Pickup	05/09/11	2	3	
4.						
5.						
6.						
7.						
8.						
9.						
10.						
Total Hours				6	3	0
<b>IX. Material Received to be Incorporated into Job.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Acceptability	Stored Where?	Reference Plans/Drawings			
1.	Acceptable structural fill	Placed in Excavation	WP			
2.						
3.						
<b>X. Submittals Reviewed.</b> <span style="float: right;">None <input checked="" type="checkbox"/></span>						
	Submittal No.	Spec/Plan Reference	By Whom	Action Taken		
1.						
2.						
3.						
<b>XI. Offsite Surveillance Activities.</b> (include action taken) <span style="float: right;">None <input checked="" type="checkbox"/></span>						
<hr/> <hr/> <hr/>						
<b>XII. Instructions Given by the Government to the Contractor.</b> (Include names, reactions, and remarks) <span style="float: right;">Verbal <input type="checkbox"/> Written <input type="checkbox"/> None <input checked="" type="checkbox"/></span>						
<hr/> <hr/> <hr/>						
<b>XIII. Work Progress.</b>						
1.	Are there any Contractor caused delays?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

2. Are there any Contractor-potential findings of fact? Yes ☐ No ☒
3. Are there any Government caused delays or potential finding of fact? Yes ☐ No ☒
4. Are there any Government-potential findings of fact? Yes ☐ No ☒
5. Are there any unforeseeable or weather related delays? Yes ☐ No ☒

**XIV. Deficiency List.**

Tracking No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)

**XV. Remarks.** (Include any visitors to project and miscellaneous remarks pertinent to work.)

Excavated an additional 20 Cy (approximate) from the east end of the excavation At 4114B Charleston Loop Where Sample # 2195-0-2 result had exceeded the soil screening level.

Surveyed additional excavation area.

Backfilled and excavator compacted additional excavation area.

Did not operate dust monitors since additional excavation work only required about 20 minutes. No visible dust.

Site visitors included: None

The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with contract plans and specifications, except as noted above.

**CQC Site Manager** Robert Piper, NWI (801.520.9363) **Date** 05/09/11

**XVI. Government Quality Assurance Comments.** (if applicable)

Concurs with the QC report?

Yes ☐ No ☐

Additional comments or exceptions:

**QAR Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Supervisor's Initial** \_\_\_\_\_ **Date** \_\_\_\_\_



Date	Time	Direction of View
05-09-11	0920	N

**Subject**

Hill AFB Housing area OU-13. Excavating additional soil from the east end of the carport excavation area at 4114B Charleston Loop.





<b>Date</b>	<b>Time</b>	<b>Direction of View</b>
05-09-11	1007	NW

**Subject**

Hill AFB Housing area OU-13. Native? material reached at 4 ft bgs in additional excavation at 4114B Charleston Loop.



Date	Time	Direction of View
05-09-11	1017	N

**Subject**

Hill AFB Housing area OU-13. One half of the additional excavation completed at 4114B Charleston Loop.





Date	Time	Direction of View
05-09-11	1100	SW

**Subject**

Hill AFB Housing area OU-13. Re-grade and machine compaction prior to placing backfill at the additional excavation at 4114B Charleston Loop.





Date	Time	Direction of View
05-09-11	1129	SE

**Subject**

Hill AFB Housing area OU-13. Backfill material for the additional excavation at 4114B Charleston Loop.



Date	Time	Direction of View
05-09-11	1140	SE

**Subject**

Hill AFB Housing area OU-13. Backfilling with clean fill and machine compaction of the additional excavation at 4114B Charleston Loop.





Date	Time	Direction of View
05-09-11	1138	SW

**Subject**

Hill AFB Housing area OU-13. Final grade of backfill on the additional excavation area at 4114B Charleston Loop.



## Logbook Notes

Location Hill AFB, UT Date 5-9-11Project / Client OU-13 PCB REMEDIATION

Title II Inspection / AFCEE

PHOTO LOG Weather: RAINING  
50°F

#	Date/Time	Description
1	5/9/11 0920	Pre-excavation grade
2	5/9/11 0950	SURFACE EXCAVATION
3	5/9/11 1007	Parent material reached @ 4' bgs
4	5/9/11 1017	Parent and backfill materials
5	5/9/11 1100	Grade and compaction prior to backfilling
6	5/9/11 1129	Backfill material
7	5/9/11 1140	Backfill and machine compaction
8	5/9/11 1150	Final grade with machine compaction

## On-site Companies:

NWI - Bob Piper 801-520-9363

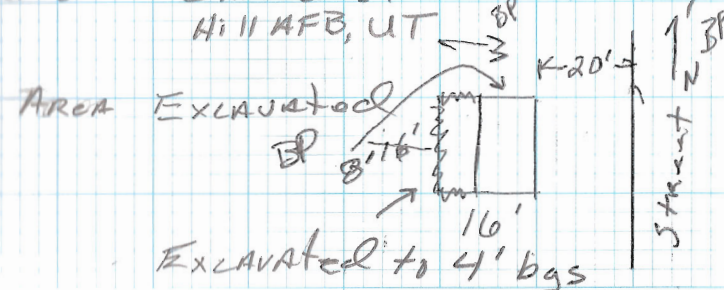
CAPE - Tom Strader 480-268-0195

Envirocare - Driver

Bush & Gudgeon - Aaron Inabnit  
801-707-6116Location Hill AFB, UT Date 5-9-11Project / Client OU-13 PCB Remediation

Title II Inspection / AFCEE

TIME	Description
0700 -	ARRIVE @ West Point Security
0830 -	Excavator from Howe Rental on-site. Enviro-care End dump on-site
0920 -	CAPE started EXCAVATION of Area surveyed. Bush & Gudgeon Inc. Aaron Inabnit-surveyor
1030 -	Excavation complete CONFIRMATION SURVEY CONDUCTED. All contaminated AREAS were INCLUDED in Excavation. No sampling required
1100 -	BACKFILL material on-site BACKFILL process started by CAPE
1200 -	FINAL grade complete EXCAVATOR cleaned and FUELED
1245 -	Exit West Point Security Hill AFB, UT



## Excavation Drawings



EXCAVATION 4114B CHARLESTON LOOP  
12 APR 2011 ORIGINAL EXC  
15 APR 2011 REV 1  
25 APR 2011 REV 2  
09 MAY 2011 REV 3

2193-0-2  
2193-2-4

ADDITIONAL EXCAVATION (4.15.11)

CONCRETE FLOOR SLAB  
4114B CHARLESTON LOOP

2192-2-4

4 FT DEEP (4.15.11)  
(ORIGINALLY 2 FT DEEP)

~ 16 FT

2191-2-4

413-2299 (5.2.11)

2 FT DEEP

4 FT DEEP

413-2198 (5.2.11)

2171-0-2

(5.2.11)

413-2201

ADD EXC

3 FT DEPTH

2195-0-2 (4.25.11)

(4.25.11)

4 FT DEEP

ADD EXC

9 MAY 11

413-2200

(5.2.11)

413-2197

413-2196 (5.2.11)

413-2202 (5.2.11)

REMOVED SIDEWALK

CHARLESTON LOOP

NOT TO SCALE

48 FT

15 FT

8 FT

8 FT

## Sample Number Tables

Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4
U13-2169	12 Apr 2011	Excavation at 4114B Charleston	South wall, west half	0-2	4-point comp



		Loop			
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp

		Loop			
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at	Carport area, west end wall. This area	0-2	5-point comp

		4114B Charleston Loop	was deepened by 2 ft and extended 3 ft west because sample 2176 exceeded the soil screening level.		
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2195	25 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall. This area was extended about 8 ft eastward because sample number 2171-0-2 exceeded the SSL	0-2	4-point comp/1.21J
U13-2196	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2197	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2198	2 May 2011		Backfill?	0-1.5	
U13-2199	2 May 2011		Backfill?	0-1.5	
U13-2200	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2201	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2202	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	